

<b>Lead author</b>	<b>Year</b>	<b>Journal</b>
Lau	2005	Proceedings of the National Academy
Li	2005	Science
Poon	2005	Journal of Virology
Chu	2006	Journal of General Virology
Li	2006	Journal of Southern Medical University
Ren	2006	Journal of General Virology
Tang	2006	Journal of Virology
Woo	2006	Virology
Dominguez	2007	Emerging Infectious Diseases
Lau	2007	Virology
Muller	2007	Emerging Infectious Diseases
Woo	2007	Journal of Virology
Brandao	2008	Brazilian Journal of Infectious Disease
Carrington	2008	Emerging Infectious Diseases
Chu	2008	Journal of General Virology
Gloza-Rausch	2008	Emerging Infectious Diseases
Ren	2008	Journal of Virology
Misra	2009	Journal of General Virology
Pfefferle	2009	Emerging Infectious Diseases
Tong	2009	Emerging Infectious Diseases
Donaldson	2010	Journal of Virology
Drexler	2010	Journal of Virology
Lau	2010	Journal of Virology
Lau	2010	Journal of Virology
Li	2010	Journal of Virology
Quan	2010	mBio
Reusken	2010	Vector-Borne and Zoonotic Diseases
Rihtaric	2010	Archives of Virology
Watanabe	2010	Emerging Infectious Diseases
Yuan	2010	Journal of General Virology
Ar Gouilh	2011	Infection, Genetics and Evolution
Balboni	2011	Epidemiology and Infection
Drexler	2011	Emerging Infectious Diseases
Falcon	2011	Archives of Virology
Osborne	2011	PLOS ONE
August	2012	Vector-Borne and Zoonotic Diseases
Balboni	2012	The Scientific World Journal
Ge	2012	Journal of Virology
Huynh	2012	Journal of Virology
Lau	2012	Journal of Virology
Muller	2012	mBio
Shirato	2012	Virus Genes
Tao	2012	Virus Research
Tsuda	2012	Archives of Virology
Wu	2012	Journal of Virology
Yuen	2012	Hong Kong Medical Journal
Annan	2013	Emerging Infectious Diseases
Anthony	2013	Journal of General Virology
Anthony	2013	mBio
Corman	2013	Journal of General Virology
De Benedictis	2013	Virus Genes
Ge	2013	Nature
Geldenhuys	2013	Vector-Borne and Zoonotic Diseases
Goes	2013	Emerging Infectious Diseases

He	2013	PLOS ONE
Hoffman	2013	PLOS ONE
Ithete	2013	Emerging Infectious Diseases
Lau	2013	Journal of Virology
Lelli	2013	Viruses
Lima	2013	Virus Genes
Memish	2013	Emerging Infectious Diseases
Qian	2013	PLOS ONE
Raj	2013	Nature
Wacharapluesadee	2013	Emerging Infectious Diseases
Yang	2013	Emerging Infectious Diseases
Cai	2014	PLOS ONE
Corman	2014	Journal of Virology
Eckerle	2014	Emerging Infectious Diseases
Hall	2014	Emerging Infectious Diseases
Kemenesi	2014	Vector-Borne and Zoonotic Diseases
Maganga	2014	PLOS ONE
Suzuki	2014	Journal of Veterinary Medical Science
Van Gucht	2014	Journal of Wildlife Diseases
Yang	2014	Emerging Infectious Diseases
Yang	2014	Proceedings of the National Academy
Anindita	2015	Archives of Virology
Corman	2015	Journal of Virology
Goffard	2015	Viruses
Lau	2015	Journal of Virology
Liu	2015	Journal of Virology
Moreira-Soto	2015	Zoonoses and Public Health
Razanajatovo	2015	Virology Journal
Smith	2015	Thesis, Uni of Queensland
Wacharapluesadee	2015	Virology Journal
Wu	2015	The ISME Journal
Yang	2015	Journal of Virology
Asano	2016	Virology Journal
Berto	2016	Zoonoses and Public Health
Chen	2016	Zoonoses and Public Health
Du	2016	Science China Life Sciences
Fischer	2016	Infection, Genetics and Evolution
Ge	2016	Virologica Sinica
Goes	2016	Infection, Genetics and Evolution
Huang	2016	PLOS Pathogens
Kim	2016	Transboundary and Emerging Diseases
Leopardi	2016	Virus Genes
Mendenhall	2016	Transboundary and Emerging Diseases
Munster	2016	Scientific Reports
Shehata	2016	Emerging Infectious Diseases
Smith	2016	EcoHealth
Su	2016	Taiwan Veterinary Journal
Wang	2016	Virologica Sinica
Xu	2016	Virologica Sinica
Yang	2016	Journal of Virology
Ali	2017	Eurosurveillance
Anthony	2017	mBio
Anthony	2017	Virus Evolution
Han	2017	Zoonoses and Public Health
Hu	2017	PLOS Pathogens

Hu	2017	Scientific Reports
Jeong	2017	Epidemiology & Infection
Lacroix	2017	Infection, Genetics and Evolution
Lee	2017	Microbial Ecology
Liang	2017	Virologica Sinica
Lin	2017	Virology
Monchatre-Leroy	2017	Viruses
Moreno	2017	Virology Journal
Obameso	2017	Sci China Life Sci
Pauly	2017	Applied and Environmental Microbiology
Rizzo	2017	BMC Veterinary Research
Seltmann	2017	EcoHealth
Subudhi	2017	Journal of General Virology
Tao	2017	Journal of Virology
Wang	2017	Emerging Microbes & Infections
Waruhiu	2017	Virologica Sinica
Widagdo	2017	Scientific Reports
Ar Gouilh	2018	Virology
Bourgarel	2018	Infection, Genetics and Evolution
Chen	2018	Taiwan Veterinary Journal
Chu	2018	Journal of Biological Chemistry
Davy	2018	Scientific Reports
De Sabato	2018	Virus Research
Febriani	2018	International Journal of Tropical Veterinary Research
Geldenhuys	2018	PLOS ONE
Hu	2018	Emerging Microbes & Infections
Kudagammana	2018	Transboundary and Emerging Diseases
Lau	2018	Emerging Microbes and Infection
Lau	2018	The Journal of Infectious Diseases
Lazov	2018	Viruses
Lecis	2018	Virus Genes
Letko	2018	Cell Reports
Luo	2018	Journal of Virology
Luo	2018	Virologica Sinica
Van Doremalen	2018	Viruses
Wacharapluesadee	2018	Virology Journal
Zheng	2018	Journal of Virology
Zhou	2018	Nature
Banerjee	2019	Viruses
Bergner	2019	Molecular Ecology
Bittar	2019	Microbial Ecology
Chen	2019	Pathogens
Han	2019	Frontiers in Microbiology
Kim	2019	Virus Genes
Kivisto	2019	Vector-Borne and Zoonotic Diseases
Lim	2019	Journal of General Virology
Markotter	2019	Tropical Medicine and Infectious Diseases
Mendenhall	2019	Viruses
Mendenhall	2019	Viruses
Mishra	2019	PLOS ONE
Nziza	2019	EcoHealth
Prada	2019	Viruses
Tao	2019	Microbiology Resource Announcements
Wang	2019	Viruses

Widagdo	2019	Journal of Virology
Yang	2019	Journal of Virology
Banerjee	2020	Scientific Reports
Bergner	2020	Microbiology Resource Announcemen
Hall	2020	Transboundary and Emerging Disease
Hoffman	2020	Cell
Huong	2020	PLOS ONE
Joffrin	2020	Scientific Reports
Lacroix	2020	Viruses
Latinne	2020	Nature Communications
Leopardi	2020	Viruses
Letko	2020	Nature Microbiology
Lo	2020	Transboundary and Emerging Disease
Maganga	2020	Scientific Reports
Montecino-Latorre	2020	One Health Outlook
Murakami	2020	Emerging Infectious Diseases
Ou	2020	Nature Communications
Paskey	2020	Virus Evolution
Paskey	2020	Viruses
Schlottau	2020	The Lancet Medicine
Tampon	2020	Philippine Journal of Science
Valitutto	2020	PLOS ONE
Yadav	2020	Indian Journal of Medical Research
Yuan	2020	Journal of Virology
Zhou	2020	Current Biology
Zhou	2020	Nature
Alkhovsky	2021	bioRxiv
Alves	2021	Transboundary and Emerging Disease
Cibulski	2021	Archives of Virology
Crook	2021	Scientific Reports
Dharmayanti	2021	Journal of Veterinary Science
Guo	2021	bioRxiv
Hardmeier	2021	PLOS ONE
Hul	2021	bioRxiv
Kia	2021	American Journal of Tropical Medicine
Kohl	2021	Scientific Reports
Kumakamba	2021	PLOS ONE
Lau	2021	Hong Kong Medical Journal
Lau	2021	Nature Communications
Lazov	2021	Viruses
Lee	2021	Transboundary and Emerging Disease
Li	2021	bioRxiv
Li	2021	Journal of Virology
Muzeniek	2021	Vaccines
Ntumvi	2021	bioRxiv
Temmam	2021	Research Square
Wacharapluesadee	2021	Nature Communications
Wang	2021	Viruses
Wells	2021	Virus Evolution
Wu	2021	Research Square
Zhou	2021	Cell

Link	Continent	Country
<a href="https://doi.org/10.1073/pnas.0506735102">https://doi.org/10.1073/pnas.0506735102</a>	Asia	China
<a href="https://doi.org/10.1126/science.1118391">https://doi.org/10.1126/science.1118391</a>	Asia	China
<a href="https://doi.org/10.1128/JVI.79.4.2001-2009.2005">https://doi.org/10.1128/JVI.79.4.2001-2009.2005</a>	Asia	China
<a href="https://doi.org/10.1099/vir.0.82203-0">https://doi.org/10.1099/vir.0.82203-0</a>	Asia	China
<a href="https://europepmc.org/article/med/16864084">https://europepmc.org/article/med/16864084</a>	Asia	China
<a href="https://doi.org/10.1099/vir.0.82220-0">https://doi.org/10.1099/vir.0.82220-0</a>	Asia	China
<a href="https://doi.org/10.1128/JVI.00697-06">https://doi.org/10.1128/JVI.00697-06</a>	Asia	China
<a href="https://doi.org/10.1016/j.virol.2006.02.041">https://doi.org/10.1016/j.virol.2006.02.041</a>	Asia	China
<a href="https://dx.doi.org/10.3201%2Fid1309.070491">https://dx.doi.org/10.3201%2Fid1309.070491</a>	America	USA
<a href="https://doi.org/10.1016/j.virol.2007.06.009">https://doi.org/10.1016/j.virol.2007.06.009</a>	Asia	China
<a href="https://doi.org/10.3201/eid1309.070342">10.3201/eid1309.070342</a>	Africa	South Africa, Democrati
<a href="https://doi.org/10.1128/JVI.02182-06">https://doi.org/10.1128/JVI.02182-06</a>	Asia	China
<a href="https://doi.org/10.1590/S1413-867020080006000">https://doi.org/10.1590/S1413-867020080006000</a>	America	Brazil
<a href="https://dx.doi.org/10.3201%2Fid1412.080642">https://dx.doi.org/10.3201%2Fid1412.080642</a>	America	Trinidad
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<a href="https://dx.doi.org/10.3201%2Fid1404.071439">https://dx.doi.org/10.3201%2Fid1404.071439</a>	Europe	Germany
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<a href="https://dx.doi.org/10.3201%2Fid1509.090224">https://dx.doi.org/10.3201%2Fid1509.090224</a>	Africa	Ghana
<a href="https://dx.doi.org/10.3201%2Fid1503.081013">https://dx.doi.org/10.3201%2Fid1503.081013</a>	Africa	Kenya
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<a href="https://doi.org/10.1128/JVI.00650-10">https://doi.org/10.1128/JVI.00650-10</a>	Europe	Bulgaria, Germany
<a href="https://doi.org/10.1128/JVI.01121-10">https://doi.org/10.1128/JVI.01121-10</a>	Asia	China
<a href="https://doi.org/10.1128/JVI.02219-09">https://doi.org/10.1128/JVI.02219-09</a>	Asia	China
<a href="https://doi.org/10.1128/JVI.00501-10">https://doi.org/10.1128/JVI.00501-10</a>	America	USA
<a href="https://doi.org/10.1128/mBio.00208-10">https://doi.org/10.1128/mBio.00208-10</a>	Africa	Nigeria
<a href="https://doi.org/10.1089/vbz.2009.0173">https://doi.org/10.1089/vbz.2009.0173</a>	Europe	Netherlands
<a href="https://doi.org/10.1007/s00705-010-0612-5">https://doi.org/10.1007/s00705-010-0612-5</a>	Europe	Slovenia
<a href="https://dx.doi.org/10.3201%2Fid1608.100208">https://dx.doi.org/10.3201%2Fid1608.100208</a>	Asia	Philippines
<a href="https://doi.org/10.1099/vir.0.016378-0">https://doi.org/10.1099/vir.0.016378-0</a>	Asia	China
<a href="https://doi.org/10.1016/j.meegid.2011.06.021">https://doi.org/10.1016/j.meegid.2011.06.021</a>	Asia	Thailand
<a href="https://doi.org/10.1017/S0950268810001147">https://doi.org/10.1017/S0950268810001147</a>	Europe	Italy
<a href="https://dx.doi.org/10.3201%2Fid1703.100526">https://dx.doi.org/10.3201%2Fid1703.100526</a>	Europe	Germany
<a href="https://doi.org/10.1007/s00705-011-1057-1">https://doi.org/10.1007/s00705-011-1057-1</a>	Europe	Spain
<a href="https://doi.org/10.1371/journal.pone.0019156">https://doi.org/10.1371/journal.pone.0019156</a>	America	USA
<a href="https://doi.org/10.1089/vbz.2011.0829">https://doi.org/10.1089/vbz.2011.0829</a>	Europe	UK
<a href="https://doi.org/10.1100/2012/989514">https://doi.org/10.1100/2012/989514</a>	Europe	Italy
<a href="https://doi.org/10.1128/JVI.06671-11">https://doi.org/10.1128/JVI.06671-11</a>	Asia	China
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<a href="https://doi.org/10.1128/JVI.01305-12">https://doi.org/10.1128/JVI.01305-12</a>	Asia	China
<a href="https://doi.org/10.1128/mBio.00515-12">10.1128/mBio.00515-12</a>	Europe	Germany
<a href="https://doi.org/10.1007/s11262-011-0661-1">https://doi.org/10.1007/s11262-011-0661-1</a>	Asia	Japan
<a href="https://doi.org/10.1016/j.virusres.2012.04.007">https://doi.org/10.1016/j.virusres.2012.04.007</a>	Africa	Kenya
<a href="https://doi.org/10.1007/s00705-012-1410-z">https://doi.org/10.1007/s00705-012-1410-z</a>	Asia	Philippines
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<a href="https://dx.doi.org/10.3201%2Fid1903.121503">https://dx.doi.org/10.3201%2Fid1903.121503</a>	Europe, Africa	Netherlands, Germany,
<a href="https://doi.org/10.1099/vir.0.049759-0">https://doi.org/10.1099/vir.0.049759-0</a>	America	Mexico
<a href="https://doi.org/10.1128/mBio.00598-13">https://doi.org/10.1128/mBio.00598-13</a>	Asia	Bangladesh
<a href="https://doi.org/10.1099/vir.0.054841-0">https://doi.org/10.1099/vir.0.054841-0</a>	America	Brazil, Costa Rica, Pan
<a href="https://doi.org/10.1007/s11262-013-1008-x">https://doi.org/10.1007/s11262-013-1008-x</a>	Europe	Italy
<a href="https://doi.org/10.1038/nature12711">https://doi.org/10.1038/nature12711</a>	Asia	China
<a href="https://doi.org/10.1089/vbz.2012.1101">https://doi.org/10.1089/vbz.2012.1101</a>	Africa	South Africa
<a href="http://dx.doi.org/10.3201/eid1910.130525">http://dx.doi.org/10.3201/eid1910.130525</a>	America	Brazil, Mexico

<a href="https://doi.org/10.1371/journal.pone.0061950">https://doi.org/10.1371/journal.pone.0061950</a>	Asia	Myanmar
<a href="https://dx.doi.org/10.1371%2Fjournal.pone.0072">https://dx.doi.org/10.1371%2Fjournal.pone.0072</a>	Europe	Germany
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<a href="https://doi.org/10.1007/s11262-013-0899-x">https://doi.org/10.1007/s11262-013-0899-x</a>	America	Brazil
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<a href="https://dx.doi.org/10.3201%2Fid1908.130119">https://dx.doi.org/10.3201%2Fid1908.130119</a>	Asia	Thailand
<a href="https://dx.doi.org/10.3201%2Fid1906.121648">https://dx.doi.org/10.3201%2Fid1906.121648</a>	Asia	China
<a href="https://doi.org/10.1371/journal.pone.0112060">10.1371/journal.pone.0112060</a>	America	USA
<a href="https://doi.org/10.1128/JVI.01498-14">https://doi.org/10.1128/JVI.01498-14</a>	Africa	South Africa
<a href="https://dx.doi.org/10.3201/eid2002.131182">https://dx.doi.org/10.3201/eid2002.131182</a>	Europe	Germany
<a href="https://dx.doi.org/10.3201/eid2004.131441">https://dx.doi.org/10.3201/eid2004.131441</a>	Oceania	New Zealand
<a href="https://doi.org/10.1089/vbz.2014.1637">https://doi.org/10.1089/vbz.2014.1637</a>	Europe	Hungary
<a href="https://dx.doi.org/10.1371%2Fjournal.pone.0100">https://dx.doi.org/10.1371%2Fjournal.pone.0100</a>	Africa	Republic of the Congo,
<a href="https://doi.org/10.1292/jvms.14-0012">https://doi.org/10.1292/jvms.14-0012</a>	Asia	Japan
<a href="https://doi.org/10.7589/2013-10-269">https://doi.org/10.7589/2013-10-269</a>	Europe	Belgium
<a href="https://dx.doi.org/10.3201%2Fid2007.140318">https://dx.doi.org/10.3201%2Fid2007.140318</a>	Asia	China
<a href="https://www.pnas.org/content/111/34/12516.shor">https://www.pnas.org/content/111/34/12516.shor</a>	America	USA
<a href="https://doi.org/10.1007/s00705-015-2342-1">https://doi.org/10.1007/s00705-015-2342-1</a>	Asia	Indonesia
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<a href="https://doi.org/10.3390/v7122937">https://doi.org/10.3390/v7122937</a>	Europe	France
<a href="https://doi.org/10.1128/JVI.01048-15">https://doi.org/10.1128/JVI.01048-15</a>	Asia	China
<a href="https://doi.org/10.1128/JVI.00430-15">10.1128/JVI.00430-15</a>	America	USA
<a href="https://doi.org/10.1111/zph.12181">https://doi.org/10.1111/zph.12181</a>	America	Costa Rica
<a href="https://doi.org/10.1186/s12985-015-0271-y">https://doi.org/10.1186/s12985-015-0271-y</a>	Africa	Madagascar
<a href="https://espace.library.uq.edu.au/view/UQ:356634">https://espace.library.uq.edu.au/view/UQ:356634</a>	Oceania	Australia, Taiwan, Indo
<a href="https://doi.org/10.1186/s12985-015-0289-1">https://doi.org/10.1186/s12985-015-0289-1</a>	Asia	Thailand
<a href="https://doi.org/10.1038/ismej.2015.138">https://doi.org/10.1038/ismej.2015.138</a>	Asia	China
<a href="https://jvi.asm.org/content/89/17/9119.short">https://jvi.asm.org/content/89/17/9119.short</a>	America	USA
<a href="https://doi.org/10.1186/s12985-016-0569-4">https://doi.org/10.1186/s12985-016-0569-4</a>	America	Brazil
<a href="https://doi.org/10.1111/zph.12362">https://doi.org/10.1111/zph.12362</a>	Asia	Vietnam
<a href="https://doi.org/10.1111/zph.12271">https://doi.org/10.1111/zph.12271</a>	Asia	Taiwan
<a href="https://doi.org/10.1007/s11427-016-5039-0">https://doi.org/10.1007/s11427-016-5039-0</a>	Asia	China
<a href="https://doi.org/10.1016/j.meegid.2015.11.010">https://doi.org/10.1016/j.meegid.2015.11.010</a>	Europe	Germany
<a href="https://doi.org/10.1007/s12250-016-3713-9">https://doi.org/10.1007/s12250-016-3713-9</a>	Asia	China
<a href="https://doi.org/10.1016/j.meegid.2016.07.034">https://doi.org/10.1016/j.meegid.2016.07.034</a>	America	Brazil
<a href="https://dx.doi.org/10.1371%2Fjournal.ppat.10056">https://dx.doi.org/10.1371%2Fjournal.ppat.10056</a>	Asia	China
<a href="https://doi.org/10.1111/tbed.12515">https://doi.org/10.1111/tbed.12515</a>	Asia	South Korea
<a href="https://doi.org/10.1007/s11262-016-1331-0">https://doi.org/10.1007/s11262-016-1331-0</a>	Africa	Nigeria
<a href="https://doi.org/10.1111/tbed.12568">https://doi.org/10.1111/tbed.12568</a>	Asia	Singapore
<a href="https://doi.org/10.1038/srep21878">https://doi.org/10.1038/srep21878</a>	America	Jamaica
<a href="https://dx.doi.org/10.3201%2Fid2201.151397">https://dx.doi.org/10.3201%2Fid2201.151397</a>	Asia, Africa	Lebanon, Egypt
<a href="https://doi.org/10.1007/s10393-016-1116-x">https://doi.org/10.1007/s10393-016-1116-x</a>	Asia, Oceania	Taiwan, Australia, East
<a href="https://doi.org/10.1142/S1682648515500171">https://doi.org/10.1142/S1682648515500171</a>	Asia	Taiwan
<a href="http://dx.doi.org/10.1007/s12250-015-3703-3">http://dx.doi.org/10.1007/s12250-015-3703-3</a>	Asia	China
<a href="https://doi.org/10.1007/s12250-016-3727-3">https://doi.org/10.1007/s12250-016-3727-3</a>	Asia	China
<a href="https://doi.org/10.1128/JVI.02582-15">https://doi.org/10.1128/JVI.02582-15</a>	Asia	China
<a href="https://doi.org/10.2807/1560-7917.ES.2017.22.11.30487">10.2807/1560-7917.ES.2017.22.11.30487</a>	Africa	Egypt
<a href="https://doi.org/10.1128/mBio.00373-17">https://doi.org/10.1128/mBio.00373-17</a>	Africa	Uganda
<a href="https://doi.org/10.1093/ve/vex012">https://doi.org/10.1093/ve/vex012</a>	Africa, America, A	Cameroon, Gabon, Dei
<a href="https://doi.org/10.1111/zph.12358">https://doi.org/10.1111/zph.12358</a>	Asia	China
<a href="https://doi.org/10.1371/journal.ppat.1006698">https://doi.org/10.1371/journal.ppat.1006698</a>	Asia	China

<a href="https://doi.org/10.1038/s41598-017-11384-w">https://doi.org/10.1038/s41598-017-11384-w</a>	Asia	China
<a href="https://doi.org/10.1017/S0950268817000991">https://doi.org/10.1017/S0950268817000991</a>	Oceania	Australia
<a href="https://doi.org/10.1016/j.meegid.2016.11.029">https://doi.org/10.1016/j.meegid.2016.11.029</a>	Asia	Laos, Cambodia
<a href="https://doi.org/10.1007/s00248-017-1033-8">https://doi.org/10.1007/s00248-017-1033-8</a>	Asia	South Korea
<a href="https://doi.org/10.1007/s12250-017-3976-9">https://doi.org/10.1007/s12250-017-3976-9</a>	Asia	China
<a href="https://doi.org/10.1016/j.virol.2017.03.019">https://doi.org/10.1016/j.virol.2017.03.019</a>	Asia	China
<a href="https://doi.org/10.3390/v9120364">https://doi.org/10.3390/v9120364</a>	Europe	France
<a href="https://doi.org/10.1186/s12985-017-0907-1">https://doi.org/10.1186/s12985-017-0907-1</a>	Europe	Italy
<a href="https://doi.org/10.1007/s11427-017-9263-6">https://doi.org/10.1007/s11427-017-9263-6</a>	Asia	China
<a href="http://doi.org/10.1128/AEM.01326-17">http://doi.org/10.1128/AEM.01326-17</a>	Europe	Luxembourg
<a href="https://doi.org/10.1186/s12917-017-1307-x">https://doi.org/10.1186/s12917-017-1307-x</a>	Europe	Italy
<a href="https://doi.org/10.1007/s10393-017-1245-x">https://doi.org/10.1007/s10393-017-1245-x</a>	Asia	Malaysia
<a href="https://doi.org/10.1099/jgv.0.000898">https://doi.org/10.1099/jgv.0.000898</a>	America	Canada
<a href="https://doi.org/10.1128/JVI.01953-16">https://doi.org/10.1128/JVI.01953-16</a>	Africa	Kenya
<a href="https://doi.org/10.1038/emi.2016.140">https://doi.org/10.1038/emi.2016.140</a>	Asia	China
<a href="https://doi.org/10.1007/s12250-016-3930-2">https://doi.org/10.1007/s12250-016-3930-2</a>	Africa	Kenya
<a href="https://doi.org/10.1038/s41598-017-01290-6">https://doi.org/10.1038/s41598-017-01290-6</a>	Europe, Africa	Netherlands, Ghana
<a href="https://doi.org/10.1016/j.virol.2018.01.014">https://doi.org/10.1016/j.virol.2018.01.014</a>	Europe, Africa	France, Morocco, Spain
<a href="https://doi.org/10.1016/j.meegid.2018.01.007">https://doi.org/10.1016/j.meegid.2018.01.007</a>	Africa	Zimbabwe
<a href="http://dx.doi.org/10.1142/S1682648518500063">http://dx.doi.org/10.1142/S1682648518500063</a>	Asia	Taiwan
<a href="https://doi.org/10.1074/jbc.RA118.001897">https://doi.org/10.1074/jbc.RA118.001897</a>	Asia	China
<a href="https://doi.org/10.1038/s41598-018-33975-x">https://doi.org/10.1038/s41598-018-33975-x</a>	America	Canada
<a href="https://doi.org/10.1016/j.virusres.2018.11.007">https://doi.org/10.1016/j.virusres.2018.11.007</a>	Europe	Italy
<a href="https://doi.org/10.21157/ijtvbr.v3i2.12359">https://doi.org/10.21157/ijtvbr.v3i2.12359</a>	Asia	Indonesia
<a href="https://dx.doi.org/10.1371%2Fjournal.pone.0194">https://dx.doi.org/10.1371%2Fjournal.pone.0194</a>	Africa	South Africa
<a href="https://doi.org/10.1038/s41426-018-0155-5">https://doi.org/10.1038/s41426-018-0155-5</a>	Asia	China
<a href="https://doi.org/10.1111/tbed.12851">https://doi.org/10.1111/tbed.12851</a>	Asia	Sri Lanka
<a href="https://doi.org/10.1038/s41426-018-0208-9">https://doi.org/10.1038/s41426-018-0208-9</a>	Asia	China
<a href="https://doi.org/10.1093/infdis/jiy018">https://doi.org/10.1093/infdis/jiy018</a>	Asia	China
<a href="https://doi.org/10.3390/v10090486">https://doi.org/10.3390/v10090486</a>	Europe	Denmark
<a href="https://doi.org/10.1007/s11262-018-1614-8">https://doi.org/10.1007/s11262-018-1614-8</a>	Europe	Italy
<a href="https://doi.org/10.1016/j.celrep.2018.07.045">https://doi.org/10.1016/j.celrep.2018.07.045</a>	America	USA
<a href="http://doi.org/10.1128/JVI.00116-18">http://doi.org/10.1128/JVI.00116-18</a>	Asia	China
<a href="https://doi.org/10.1007/s12250-018-0017-2">https://doi.org/10.1007/s12250-018-0017-2</a>	Asia	China
<a href="https://doi.org/10.3390/v10120727">https://doi.org/10.3390/v10120727</a>	America	USA
<a href="https://doi.org/10.1186/s12985-018-0950-6">https://doi.org/10.1186/s12985-018-0950-6</a>	Asia	Thailand
<a href="https://doi.org/10.1128/JVI.01504-18">https://doi.org/10.1128/JVI.01504-18</a>	Asia	China
<a href="https://doi.org/10.1038/s41586-018-0010-9">https://doi.org/10.1038/s41586-018-0010-9</a>	Asia	China
<a href="https://doi.org/10.3390/v11020152">https://doi.org/10.3390/v11020152</a>	America	Canada
<a href="https://doi.org/10.1111/mec.15250">https://doi.org/10.1111/mec.15250</a>	America	Peru
<a href="https://doi.org/10.1007/s00248-019-01391-x">https://doi.org/10.1007/s00248-019-01391-x</a>	America	Brazil
<a href="https://doi.org/10.3390/pathogens8040259">https://doi.org/10.3390/pathogens8040259</a>	Asia	China
<a href="https://www.frontiersin.org/articles/10.3389/fmicb">https://www.frontiersin.org/articles/10.3389/fmicb</a>	Asia	China
<a href="https://doi.org/10.1007/s11262-019-01668-w">https://doi.org/10.1007/s11262-019-01668-w</a>	Asia	South Korea
<a href="https://doi.org/10.1089/vbz.2018.2367">https://doi.org/10.1089/vbz.2018.2367</a>	Europe	Finland
<a href="https://doi.org/10.1099/jgv.0.001307">https://doi.org/10.1099/jgv.0.001307</a>	Asia	Singapore
<a href="https://doi.org/10.3390/tropicalmed4030099">https://doi.org/10.3390/tropicalmed4030099</a>	Africa	Rwanda
<a href="https://doi.org/10.3390/v11040356">https://doi.org/10.3390/v11040356</a>	Asia	Kazakhstan
<a href="https://doi.org/10.3390/v11030250">https://doi.org/10.3390/v11030250</a>	Asia	Singapore
<a href="https://dx.doi.org/10.1371%2Fjournal.pone.0214">https://dx.doi.org/10.1371%2Fjournal.pone.0214</a>	Asia	Saudi Arabia
<a href="https://doi.org/10.1007/s10393-019-01458-8">https://doi.org/10.1007/s10393-019-01458-8</a>	Africa	Rwanda
<a href="https://doi.org/10.3390/v11121157">https://doi.org/10.3390/v11121157</a>	Oceania	Australia
<a href="http://doi.org/10.1128/MRA.00548-19">http://doi.org/10.1128/MRA.00548-19</a>	Africa	Kenya
<a href="https://doi.org/10.3390/v11040379">https://doi.org/10.3390/v11040379</a>	Asia	China

<a href="https://doi.org/10.1128/JVI.00107-19">10.1128/JVI.00107-19</a>	Europe	Netherlands
<a href="https://doi.org/10.1128/JVI.01448-19">https://doi.org/10.1128/JVI.01448-19</a>	Asia	China
<a href="https://doi.org/10.1038/s41598-020-64264-1">https://doi.org/10.1038/s41598-020-64264-1</a>	America	Canada
<a href="https://doi.org/10.1128/MRA.00742-20">https://doi.org/10.1128/MRA.00742-20</a>	America	Peru
<a href="https://doi.org/10.1111/tbed.13949">https://doi.org/10.1111/tbed.13949</a>	America	USA
<a href="https://doi.org/10.1016/j.cell.2020.02.052">https://doi.org/10.1016/j.cell.2020.02.052</a>	Europe	Germany
<a href="https://doi.org/10.1371/journal.pone.0237129">https://doi.org/10.1371/journal.pone.0237129</a>	Asia	Vietnam
<a href="https://doi.org/10.1038/s41598-020-63799-7">https://doi.org/10.1038/s41598-020-63799-7</a>	Africa, Asia	Madagascar, Mauritius.
<a href="http://dx.doi.org/10.3390/v12080855">http://dx.doi.org/10.3390/v12080855</a>	Africa	Guinea
<a href="https://www.nature.com/articles/s41467-020-176">https://www.nature.com/articles/s41467-020-176</a>	Asia	China
<a href="https://doi.org/10.3390/v13010004">https://doi.org/10.3390/v13010004</a>	Europe	Italy
<a href="https://doi.org/10.1038/s41564-020-0688-y">https://doi.org/10.1038/s41564-020-0688-y</a>	America	USA
<a href="https://doi.org/10.1111/tbed.13653">https://doi.org/10.1111/tbed.13653</a>	Asia	South Korea
<a href="https://doi.org/10.1038/s41598-020-64159-1">https://doi.org/10.1038/s41598-020-64159-1</a>	Africa	Gabon
<a href="https://doi.org/10.1186/s42522-019-0008-8">https://doi.org/10.1186/s42522-019-0008-8</a>	Africa	Rwanda, Tanzania, Ug
<a href="https://doi.org/10.3201/eid2612.203386">https://doi.org/10.3201/eid2612.203386</a>	Asia	Japan
<a href="https://doi.org/10.1038/s41467-020-15562-9">https://doi.org/10.1038/s41467-020-15562-9</a>	Asia	China
<a href="https://doi.org/10.1093/ve/veaa017">https://doi.org/10.1093/ve/veaa017</a>	Asia	Singapore
<a href="http://dx.doi.org/10.3390/v12050539">http://dx.doi.org/10.3390/v12050539</a>	Asia	Singapore
<a href="https://doi.org/10.1016/S2666-5247(20)30089-6">https://doi.org/10.1016/S2666-5247(20)30089-6</a>	Europe	Germany
<a href="http://philjournalsci.dost.gov.ph/96-next-issue/vo">http://philjournalsci.dost.gov.ph/96-next-issue/vo</a>	Asia	Philippines
<a href="https://doi.org/10.1371/journal.pone.0230802">https://doi.org/10.1371/journal.pone.0230802</a>	Asia	Myanmar
<a href="https://doi.org/https://doi.org/10.4103/ijmr.IJMR_">https://doi.org/https://doi.org/10.4103/ijmr.IJMR_</a>	Asia	India
<a href="https://doi.org/10.1128/jvi.01387-19">https://doi.org/10.1128/jvi.01387-19</a>	Asia	China
<a href="https://doi.org/10.1016/j.cub.2020.05.023">https://doi.org/10.1016/j.cub.2020.05.023</a>	Asia	China
<a href="https://www.nature.com/articles/s41586-020-201">https://www.nature.com/articles/s41586-020-201</a>	Asia	China
<a href="https://doi.org/10.1101/2021.05.17.444362">https://doi.org/10.1101/2021.05.17.444362</a>	Europe	Russia
<a href="https://doi.org/10.1111/tbed.14150">https://doi.org/10.1111/tbed.14150</a>	America	Brazil
<a href="https://doi.org/10.1007/s00705-020-04825-x">https://doi.org/10.1007/s00705-020-04825-x</a>	America	Brazil
<a href="https://doi.org/10.1038/s41598-021-94011-z">https://doi.org/10.1038/s41598-021-94011-z</a>	Europe	UK
<a href="https://doi.org/10.4142/jvs.2021.22.e70">https://doi.org/10.4142/jvs.2021.22.e70</a>	Asia	Indonesia
<a href="https://doi.org/10.1101/2021.05.21.445091">https://doi.org/10.1101/2021.05.21.445091</a>	Asia	China
<a href="https://doi.org/10.1371/journal.pone.0252534">https://doi.org/10.1371/journal.pone.0252534</a>	Europe	Switzerland
<a href="https://doi.org/10.1101/2021.01.26.428212">https://doi.org/10.1101/2021.01.26.428212</a>	Asia	Cambodia
<a href="https://doi.org/10.4269/ajtmh.19-0872">https://doi.org/10.4269/ajtmh.19-0872</a>	Africa	Nigeria
<a href="https://doi.org/10.1038/s41598-021-86435-4">https://doi.org/10.1038/s41598-021-86435-4</a>	Europe	Germany
<a href="https://doi.org/10.1371/journal.pone.0236971">https://doi.org/10.1371/journal.pone.0236971</a>	Africa	Democratic Republic of
<a href="https://www.hkmj.org/abstracts/v27_Suppl_2n3/2020">https://www.hkmj.org/abstracts/v27_Suppl_2n3/2020</a>	Asia	China
<a href="https://doi.org/10.1038/s41467-020-20458-9">https://doi.org/10.1038/s41467-020-20458-9</a>	Asia	China
<a href="https://doi.org/10.3390/v13061073">https://doi.org/10.3390/v13061073</a>	Europe	Denmark
<a href="https://doi.org/10.1111/tbed.14324">https://doi.org/10.1111/tbed.14324</a>	Asia	South Korea
<a href="https://doi.org/10.1101/2021.03.17.435823">https://doi.org/10.1101/2021.03.17.435823</a>	Asia	China
<a href="https://doi.org/10.1128/JVI.01713-20">https://doi.org/10.1128/JVI.01713-20</a>	America	USA
<a href="https://doi.org/10.3390/vaccines9060650">https://doi.org/10.3390/vaccines9060650</a>	Asia	Sri Lanka
<a href="https://doi.org/10.1101/2021.09.03.458874">https://doi.org/10.1101/2021.09.03.458874</a>	Africa	Cameroon
<a href="https://doi.org/10.21203/rs.3.rs-871965/v1">https://doi.org/10.21203/rs.3.rs-871965/v1</a>	Asia	Laos
<a href="https://doi.org/10.1038/s41467-021-21240-1">https://doi.org/10.1038/s41467-021-21240-1</a>	Asia	Thailand
<a href="https://www.mdpi.com/1999-4915/13/10/1962">https://www.mdpi.com/1999-4915/13/10/1962</a>	Asia	China, Laos
<a href="https://doi.org/10.1093/ve/veab007">https://doi.org/10.1093/ve/veab007</a>	Africa	Rwanda, Uganda
<a href="https://doi.org/10.21203/rs.3.rs-885194/v1">https://doi.org/10.21203/rs.3.rs-885194/v1</a>	Asia	China
<a href="https://doi.org/10.1016/j.cell.2021.06.008">https://doi.org/10.1016/j.cell.2021.06.008</a>	Asia	China



<b>Sampled bat families</b>	<b>Total identified bat</b>	<b>Genome/cell culture information</b>
Rhinolophidae	8	SARS-related CoV; full genome. Atter
China	9	SARS-related CoV; full genome. Atter
Pteropodidae, Hipposideri	12	No full genome information available.
Miniopteridae	2	No full genome information available.
Pteropodidae	9	No full genome information available.
Rhinolophidae	2	SARS-related CoV; full genome. No a
Rhinolophidae, Hipposider	35	SARS-related CoV, 512, HKU4; full ge
Pteropodidae, Hipposideri	13	No full genome information available.
Vespertilionidae, Molossid	7	No full genome information available.
Rhinolophidae	1	Full genomes; HKU2. Attempted to isc
Pteropodidae, Molossidae	13	No full genome information available.
Hipposideridae, Miniopteri	11	HKU4, HKU5, HKU9; full genome. Tw
Phyllostomidae	1	No full genome information available.
Phyllostomidae, Noctilionic	8	No full genome information available.
Miniopteridae	2	1A/1B, HKU8; full genome. Apparently
Vespertilionidae	4	No full genome information available.
Rhinolophidae	1	No full genome information available.
Vespertilionidae	8	No full genome information available.
Pteropodidae, Vespertilion	12	No full genome information available.
Megadermatidae, Molossid	17	No full genome information available.
Vespertilionidae	3	No full genome information available.
Rhinolophidae, Vespertilio	19	SARS-related CoV; Full genome. Viru
Pteropodidae	1	Full genomes; HKU9. No attempts at
Rhinolophidae	1	Full genome SARS-related CoV; full g
Molossidae, Vespertilionid	estimated 5 (under r	No full genome information available.
Hipposideridae, Pteropodi	6	No full genome information available.
Vespertilionidae	13	No full genome information available.
Rhinolophidae	7	SARS bat virus Rp3/2004 (DQ071615
Pteropodidae, Vespertilion	6	No full genome information available.
Rhinolophidae	1	SARS-related CoV; full genome. Atter
Rhinolophidae, Hipposider	25	No full genome information available.
Rhinolophidae	1	Yes (48 human and animal). No atten
Vespertilionidae	1	No full genome information available.
Vespertilionidae, Rhinolop	26	No full genome information available.
Vespertilionidae, Molossid	17	No full genome information available.
Vespertilionidae, Rhinolop	7	No full genome information available.
Rhinolophidae	1	SARS-related coronavirus reference s
Hipposideridae, Vespertili	4	No full genome information available.
Vespertilionidae	2	No full genome information available.
Pteropodidae, Hipposideri	22	Full genomes; HKU10. Four samples
Vespertilionidae, Pteropod	5	No full genome information available.
Miniopteridae	1	No full genome information available.
Pteropodidae, Megaderma	5	Full genomes (7). No attempts at viral
Pteropodidae, Emballonuri	8	No full genome information available.
Vespertilionidae, Rhinolop	11	No full genome information available.
Unclear, at least Rhinolop	13	No full genome information available.
Vespertilionidae, Emballon	14	No full genome information available.
Phyllostomidae, Mormoopi	42	No full genome information available.
Pteropodidae	1	No full genome information available.
Emballonuridae, Phyllosto	54	No full genome information available.
Vespertilionidae	2	No full genome information available.
Rhinolophidae	1	SARS-CoV-like: full genome. Attempt
Molossidae, Miniopteridae	25	No full genome information available.
Phyllostomidae, Molossida	20	No full genome information available.

Vespertilionidae, Rhinolop	6	No full genome information available.
Rhinolophidae, Pteropodid	6	No full genome information available.
Molossidae, Hipposiderida	13	No full genome information available.
Pteropodidae, Hipposideri	21	No full genome information available.
Vespertilionidae, Rhinolop	8	No full genome information available.
Molossidae	2	No full genome information available.
Rhinopomatidae, Emballon	7	No full genome information available.
Vespertilionidae, Molossid	2	No full genome information available.
Vespertilionidae	1	No full genome information available.
Roost faeces from cave wi	14 possibly?	No full genome information available.
Rhinolophidae, Molossida	14	SARS-related CoV; full genomes. No
Pteropodidae, Molossidae	6	No full genome information available.
Vespertilionidae	1	Full genome available. No attempts at
Vespertilionidae	1	No full genome information available.
Mystacinidae	1	No full genome information available.
Vespertilionidae, Rhinolop	24	No full genome information available.
Pteropodidae, Hipposideri	16	No full genome information available.
Rhinolophidae, Vespertilio	4	No full genome information available.
Vespertilionidae	6	No full genome information available.
Vespertilionidae	1	MERS-like CoV; full genome. No atter
Molossidae	1	No full genome information available.
Pteropodidae	4	No full genome information available.
Hipposideridae, Nycterida	11	No full genome information available.
Vespertilionidae	4	No full genome information available.
Rhinolophidae, Hipposider	7	2 full genomes. Virus isolation was att
Molossidae	1	No full genome information available.
Phyllostomidae	41	No full genome information available.
Pteropodidae	3	No full genome information available.
Hipposideridae, Megadern	36	No full genome information available.
Pteropodidae, Emballonuri	19	No full genome information available.
Hipposideridae, Vespertili	40	Full genome: alpha and beta. No atter
Vespertilionidae, Rhinolop	2	No full genome information available.
Molossidae, Phyllostomida	29	No full genome information available.
Vespertilionidae	1	No full genome information available.
Hipposideridae, Rhinoloph	20	No full genome information available.
Miniopteridae	1	BtCoV-1A (NC010437), BtCoV-1B (N
Vespertilionidae	4	Full genomes available. No attempts a
Hipposideridae, Rhinoloph	6	No full genome information available.
Phyllostomidae, Vespertili	17	No full genome information available.
Pteropodidae	1	Full genomes. Attempts to isolate viru
Roost faeces from areas v	5	No full genome information available.
Pteropodidae	1	No full genome information available.
Pteropodidae, Rhinolophid	6	NGS data, some genes. No attempts
Phyllostomidae	1	No full genome information available.
Miniopteridae, Vespertilion	6	No full genome information available.
Emballonuridae, Hipposide	43	No full genome information available.
Vespertilionidae	1	No full genome information available.
Rhinolophidae	1?	No full genome information available.
Pteropodidae, Hipposideri	21	Full genome: beta JTMC15 and JPDE
Rhinolophidae	1	SARS-like CoV; full genome. Success
Pteropodidae, Nycteridae,	4	No full genome information available.
Vespertilionidae	1	Full genome. Attempts at viral culture
Molossidae, Vespertilionid	282	No full genome information available.
Rhinolophidae, Vespertilio	6	No full genome information available.
Rhinolophidae, Hipposider	5	15 full genomes. Successfully culture

Rhinolophidae, Vespertilio	5
Vespertilionidae	1
Emballonuridae, Hipposideridae	17 genera
Rhinolophidae, Miniopteric	14
Pteropodidae, Rhinolophid	4
Vespertilionidae, Rhinolop	21
Rhinolophidae, Vespertilic	25
Vespertilionidae	2
Pteropodidae	1
Vespertilionidae, Rhinolop	2
Vespertilionidae, Rhinolop	8
Hipposideridae, Vespertilic	8
Vespertilionidae	1
Pteropodidae, Hipposideri	27
Rhinolophidae, Vespertilio	5
Pteropodidae, Hipposideri	22
Vespertilionidae, Pteropod	4
Rhinolophidae, Vespertilio	26
Hipposideridae	1
Vespertilionidae, Rhinolop	3
Pteropodidae	1
Vespertilionidae	1
Vespertilionidae	1
Pteropodidae	1
Vespertilionidae	4
Rhinolophidae	1
Pteropodidae	1
Vespertilionidae, Rhinolop	7
Hipposideridae, Pteropodi	44
Vespertilionidae	5
Rhinolophidae, Vespertilio	3
Pteropodidae, Vespertilion	16
Molossidae, Pteropodidae	8
Pteropodidae	3
Pteropodidae	1
Pteropodidae	1
Vespertilionidae, Molossid	4
Rhinolophidae, Hipposider	9
Vespertilionidae, Molossid	2
Phyllostomidae	1
Molossidae, Vespertilionid	23
Pteropodidae, Miniopterid	2
Rhinolophidae, Pteropodid	3
Rhinolophidae	1
Vespertilionidae	5
Pteropodidae, Vespertilion	4
Hipposideridae, Molossida	5
Vespertilionidae most likel	2
Pteropodidae	1
Rhinopomatidae, Emballor	4
Pteropodidae, Molossidae	17
Vespertilionidae, Molossid	11
Rhinolophidae	1
Rhinolophidae	12

No full genome information available.  
No full genome information available.  
No full genome information available.  
No full genome information available.  
Full genome information available. The  
Complete and near-complete genome  
Genbank KT345295, KT345296 and F  
CoV clade c genomes. Samples of int  
No full genome information available.  
No full genome information available.  
Full genomes. No attempts at viral iso  
No full genome information available.  
Full genome: Myl-CoV. No attempts a  
Full genomes (5). No attempts at viral  
F46: full genome. Failed to isolate infe  
No full genome information available.  
No full genome information available.  
No full genome information available.  
No full genome information available.  
No full genome information available.  
No full genome information available.  
Not reported, NGS data. No attempts  
Full genomes of mega and microbats.  
No full genome information available.  
Full genomes (4). No attempts at viral  
Full genomes. An attempt to isolate vi  
No full genome information available.  
No full genome information available.  
Hp-BatCoV HKU25: full genome. Sam  
No full genome information available.  
Bat SARS CoV Rs672/2006 (FJ58866  
No full genome information available.  
Two full length genomes; lineage C be  
BatCoV HKU9-2202 full length genom  
No full genome information available.  
No full genome information available.  
No full genome information available.  
No full genome information available.  
No full genome information available.  
Full genome alphacoronavirus. No att  
No full genome information available.  
No full genome information available.  
Full genomes. No attempts at viral iso  
SARS-like bat CoV full genome. No a  
No full genome information available.  
Full-length genome available. No atte  
No full genome information available.  
No full genome information available.  
No full genome information available.  
No full genome information available.  
No full genome information available.  
5 genomes. No attempts at viral isolat  
Full genome. No attempts at viral isolat  
BtCoV/Rh/YN2012 strains RsYN1, Rs

Vespertilionidae, Pteropod	4	No full genome information available.
Vespertilionidae, Molossid	2	No full genome information available.
Vespertilionidae	1	No full genome information available.
Phyllostomidae	1	Full genome. No attempts at viral isolation.
Vespertilionidae	1	No full genome information available.
Rhinolophidae, Vespertilio	2	No full genome information available.
Pteropodidae, Microchiroptera	0 (none of the bats)	No full genome information available.
Emballonuridae, Pteropod	36	No full genome information available.
Hipposideridae, Molossida	14	No full genome information available.
Pteropodidae, Hipposideridae	22	No full genome information available.
Vespertilionidae	2	No full genome information available.
Rhinolophidae, Phyllostomidae	4	No full genome information available.
Miniopteridae, Vespertilion	7	No full genome information available.
Hipposideridae, Miniopteridae	5	No full genome information available.
Molossidae, Emballonuridae	14	No full genome information available.
Rhinolophidae	1	Full genome of Rc-0319. No attempts at viral isolation.
Rhinolophidae	1	No full genome information available.
Pteropodidae	1	No full genome information available.
Pteropodidae	1	Full genome. No attempts at viral isolation.
Pteropodidae	1	No full genome information available.
Pteropodidae	4	No full genome information available.
Vespertilionidae, Emballonuridae	11	No full genome information available.
Pteropodidae	2	Near-complete CoV genomes sequenced.
Vespertilionidae, Phyllostomidae	7	No full genome information available.
Hipposideridae, Rhinolophidae	20	SARS-related CoV; full genome. No attempts at viral isolation.
Rhinolophidae	1	Full genome of RaTG13. No attempts at viral isolation.
Rhinolophidae, Miniopteridae	4	Full genomes of Khosta-1 and Khosta-2. No attempts at viral isolation.
Phyllostomidae	1	No full genome information available.
Molossidae	1	No full genome information available.
Rhinolophidae	1	No full genome information available.
Pteropodidae	4	No full genome information available.
Rhinolophidae	2	Full genomes. Viral culture and isolation attempted.
Vespertilionidae, Rhinolophidae	18	No full genome information available.
Rhinolophidae (and more, 6 bat families)		Full genome. Initial viral isolation attempted.
Molossidae, Pteropodidae	8	No full genome information available.
Vespertilionidae	18	No full genome information available.
Pteropodidae, Rhinolophidae	11	No full genome information available.
Emballonuridae, Hipposideridae	54	No full genome information available.
Hipposideridae, Molossida	51	Full genomes. Isolation of Ty-BatCoV attempted.
Vespertilionidae	3	Full genomes. Viral culture and isolation attempted.
Vespertilionidae, Miniopteridae	17	No full genome information available.
Hipposideridae, Rhinolophidae	5	Full genome. Viral culture and isolation attempted.
Vespertilionidae	5	Partial genomes. Viral culture and isolation attempted.
Miniopteridae, Pteropodidae	2	No full genome information available.
Emballonuridae, Hipposideridae	50	No full genome information available.
Hipposideridae, Megadermatidae	46	Successfully isolated one sarbecovirus.
Rhinolophidae	1	Full genome. As the sampling was done in 2019, no attempts at viral isolation.
Emballonuridae, Hipposideridae	69	Full genomes of 17 BtCoV HKU10 strains.
Rhinolophidae	1	Near-complete CoV genomes. Viral culture and isolation attempted.
Emballonuridae, Hipposideridae	54	Full genomes. Viral culture and isolation attempted.
Hipposideridae, Molossida	23	Full genome. Viral culture and isolation attempted.

Study type	Sample type
Cross-sectional (inter-species)	Individual nasopharyngeal swabs, anal s
Cross-sectional (inter-species)	Individual oral swabs, fecal swabs, and k
Cross-sectional (inter-species)	Individual respiratory swabs and fecal sv
Cross-sectional (inter-species)	Individual nasopharyngeal swabs and fe
Cross-sectional (inter-species)	Individual throat swabs, sera, lung tissue
Sequencing only	Positive samples from Li 2005 Science (
Cross-sectional (inter-species)	Individual oral swabs and anal swabs
Cross-sectional (inter-species)	Individual nasopharyngeal swabs and ar
Cross-sectional (inter-species)	Individual feces, oral swabs, and anal :
Cross-sectional (intra-species)	Individual intestine and fecal samples
Cross-sectional (inter-species)	Individual serum samples
Cross-sectional (inter-species)	Individual respiratory and alimentary san
Sequencing only	Individual intestinal samples
Cross-sectional (inter-species)	Individual oral swabs and anal swabs
Sequencing only	Individual fecal samples
Cross-sectional (inter-species)	Individual fecal pellets
Experimental (cells)	HeLa cells expressing bat ACE2
Cross-sectional (inter-species); Multi-pathogen detection	Individual kidney, spleen, liver, lung, inte
Cross-sectional (inter-species)	Individual feces
Cross-sectional (inter-species)	Individual fecal swabs
Cross-sectional (inter-species); Multi-pathogen detection	Individual fecal and oral samples, pooled
Cross-sectional (inter-species)	Individual fecal samples
Cross-sectional (intra-species)	Individual intestine and fecal samples
Cross-sectional (intra-species)	Individual respiratory and alimentary san
Multi-pathogen detection	Under roost fecal samples
Sequencing only	Individual intestinal samples
Cross-sectional (inter-species); Cross-sectional (intra-species)	Individual faeces
Cross-sectional (inter-species)	Individual fecal samples
Experimental (bats)	Individual intestinal samples
Sequencing only	Individual faecal samples
Cross-sectional (inter-species)	Individual feces, urine and oral swabs
Cross-sectional (intra-species)	Individual fecal samples and anal swabs
Longitudinal	Pooled fecal pellets
Cross-sectional (inter-species)	Individual fecal and oral swabs
Cross-sectional (inter-species)	Individual anal swabs, rectal swabs, or fe
Cross-sectional (inter-species)	Individual faecal samples
Sequencing only	Individual fecal samples
Cross-sectional (inter-species); Multi-pathogen detection	Individual fecal samples
Experimental (cells)	Individual fecal samples; immortalized b:
Cross-sectional (inter-species)	Individual respiratory and alimentary san
Experimental (cells)	Immortalized bat kidney and lung cells
Sequencing only	Individual intestinal and fecal samples ar
Sequencing only	Individual rectal swabs
Cross-sectional (inter-species)	Individual intestinal and fecal samples
Cross-sectional (inter-species); Multi-pathogen detection	Pharyngeal swab and anal swab sample
Cross-sectional (inter-species)	Individual nasopharyngeal and anal swa
Cross-sectional (inter-species); Cross-sectional (intra-species)	Individual feces
Cross-sectional (inter-species)	Individual oral swabs, rectal swabs, and
Cross-sectional (intra-species)	Individual urine samples, throat swabs, f
Cross-sectional (inter-species)	Individual feces, blood, and intestine
Cross-sectional (inter-species)	Individual fecal swabs
Sequencing only; Experimental (cells)	Throat and faecal swabs; bat kidney cell
Cross-sectional (inter-species)	Individual gastrointestinal samples (fecal
Cross-sectional (inter-species)	Individual intestinal samples



Multi-pathogen detection	Pooled individual organ and tissue samp
Experimental (cells)	Immortalized bat kidney and lung cells
Cross-sectional (inter-species)	Individual fecal pellets
Cross-sectional (inter-species)	Individual respiratory and alimentary san
Cross-sectional (inter-species)	Individual fecal samples and carcasses
Cross-sectional (inter-species)	Pooled feces
Cross-sectional (inter-species)	Individual throat swab, fecal pellets, urin
Experimental (cells)	Bat embryo cells
Experimental (cells)	Immortalized bat kidney cells
Multi-pathogen detection	Pooled faeces
Cross-sectional (inter-species)	Individual pharyngeal and anal swabs
Experimental (cells)	Immortalized bat kidney, lung, and embr
Sequencing only	Individual fecal sample in RNAlater
Experimental (cells)	Immortalized bat kidney cells
Sequencing only	Pooled guano
Cross-sectional (inter-species); Multi-pathogen detection	Individual fecal samples
Cross-sectional (inter-species); Multi-pathogen detection	No description given
Cross-sectional (inter-species)	Individual fecal samples
Cross-sectional (inter-species)	Individual lung and intestine samples
Sequencing only	Pooled fecal swabs from 32 bats
Experimental (cells)	Bat lung cells
Cross-sectional (inter-species)	Individual fecal swabs, tracheal swabs, a
Cross-sectional (inter-species)	Individual fecal samples
Cross-sectional (inter-species)	Pooled roost guano samples
Cross-sectional (inter-species)	Individual intestine and fecal samples
Experimental (cells)	Bat lung cells
Cross-sectional (inter-species)	Individual anal swabs/faecal samples
Cross-sectional (inter-species)	Individual throat swabs and faecal speci
Multi-pathogen detection	Individual fecal pellets, anal swabs, and
Cross-sectional (inter-species)	Individual fecal and rectal swab
Cross-sectional (inter-species); Multi-pathogen detection	Pharyngeal and anal swab samples
Experimental (cells)	Bat kidney and lung cells
Cross-sectional (inter-species)	Individual enteric contents samples
Multi-pathogen detection	Pooled roost faecal samples
Cross-sectional (inter-species)	Individual fecal sample and pooled roost
Cross-sectional (intra-species)	Individual pharyngeal and anal swabs
Cross-sectional (inter-species); Multi-pathogen detection	Individual urine, faeces and oral swab s
Cross-sectional (inter-species)	Individual fecal swabs
Cross-sectional (inter-species)	Individual intestine tissue samples
Sequencing only; Experimental (cells)	Rectal swabs; immortalized bat kidney c
Cross-sectional (inter-species); Multi-pathogen detection	Pooled faeces
Cross-sectional (intra-species)	Individual fecal samples
Cross-sectional (inter-species)	individual oral and tectal swabs and pool
Experimental (bats)	Individual oropharyngeal and rectal swab
Cross-sectional (inter-species)	Individual oral swab, rectal swab, serum
Cross-sectional (inter-species)	Faecal pellets, intestinal samples, anal a
Cross-sectional (intra-species)	Individual fecal samples
Longitudinal	Individual fecal samples
Cross-sectional (inter-species)	Individual intestinal specimens
Sequencing only	Single fecal sample
Cross-sectional (inter-species)	Individual throat swabs and serum samp
Sequencing only	Individual oral & rectal swabs, whole blo
Cross-sectional (inter-species)	Individual blood, feces/rectal swabs, gua
Cross-sectional (inter-species); Multi-pathogen detection	Thoracic and abdominal organs (intestin
Longitudinal	Individual fecal pellets or anal swabs

Cross-sectional (inter-species); Multi-pathogen detection  
 Longitudinal  
 Cross-sectional (inter-species)  
 Cross-sectional (inter-species)  
 Cross-sectional (inter-species); Multi-pathogen detection  
 Cross-sectional (inter-species)  
 Cross-sectional (inter-species)  
 Sequencing only  
 Longitudinal  
 Cross-sectional (inter-species); Multi-pathogen detection  
 Cross-sectional (inter-species); Multi-pathogen detection  
 Longitudinal; Multi-pathogen detection  
 Cross-sectional (intra-species)  
 Cross-sectional (inter-species)  
 Cross-sectional (inter-species)  
 Cross-sectional (inter-species); Multi-pathogen detection  
 Experimental (cells)  
 Cross-sectional (inter-species)  
 Multi-pathogen detection  
 Cross-sectional (inter-species)  
 Experimental (cells)  
 Experimental (bats)  
 Sequencing only  
 Sequencing only  
 Cross-sectional (inter-species); Multi-pathogen detection  
 Longitudinal  
 Sequencing only  
 Experimental (cells)  
 Cross-sectional (inter-species)  
 Longitudinal  
 Cross-sectional (inter-species)  
 Experimental (cells)  
 Cross-sectional (inter-species)  
 Longitudinal; Experimental (cells)  
 Experimental (bats)  
 Longitudinal  
 Experimental (cells)  
 Cross-sectional (inter-species)  
 Experimental (cells)  
 Cross-sectional (intra-species); Multi-pathogen detection  
 Cross-sectional (inter-species)  
 Experimental (cells)  
 Cross-sectional (inter-species)  
 Sequencing only  
 Cross-sectional (inter-species)  
 Cross-sectional (inter-species); Multi-pathogen detection  
 Cross-sectional (inter-species); Multi-pathogen detection  
 Sequencing only  
 Longitudinal; Multi-pathogen detection  
 Cross-sectional (inter-species); Multi-pathogen detection  
 Cross-sectional (inter-species)  
 Cross-sectional (inter-species); Multi-pathogen detection  
 Sequencing only  
 Cross-sectional (inter-species)

Individual intestine and lung samples  
 Individual fecal pellets or anal swabs  
 Individual lung, liver, spleen, kidney, heart  
 Individual oral swabs, fecal samples and  
 Individual fecal pellets  
 Individual tissue and fecal samples  
 Intestinal samples  
 Intestinal samples  
 Individual anal swabs  
 Individual fecal samples  
 Individual heart, lung, spleen, intestine, s  
 Individual fecal samples (pellets or swab  
 Individual brain, intestines, liver, kidney &  
 Individual fecal and oral swabs  
 Individual rectal swab samples  
 Individual fresh fecal samples (stored in  
 Individual tissue samples; nose, lung, int  
 Individual fecal samples  
 Pooled fecal samples  
 Individual blood and fecal samples  
 Bat kidney cells  
 Individual intestine, and more?  
 Individual fecal samples and single bat c  
 Individual rectal swabs  
 Individual lower gastrointestinal tract (fec  
 Individual intestine samples  
 Pooled guano samples from roosts  
 Immortalized bat kidney and lung cells  
 Individual alimentary samples  
 Individual fecal samples  
 Cutaneous, oral swabs, and faecal samp  
 Hamster kidney cells expressing bat DP1  
 Individual fecal swabs  
 Intestine, heart, kidney, and lung, faecal  
 Individuals rectal, urogenital and orophar  
 Individual rectal swab  
 Bat kidney and lung cells  
 Individual fecal swabs  
 Immortalized bat kidney cells  
 Pools of bat saliva and faeces  
 Individual intestines, liver, and lungs  
 Bat brain, lung, and kidney cells  
 Individual anal swabs  
 Oral swab  
 Individual fecal samples and pooled roost  
 Pooled roost faecal samples, and opport  
 Individual fecal, rectal, and/or intestinal s  
 Pooled roost faecal samples  
 Pooled faecal and urine samples  
 Individual faecal samples  
 Individual oral and rectal swab  
 Individual fecal samples  
 Individual rectal swabs  
 Individual fecal swabs and pellet sample

Experimental (cells)	Bat intestinal epithelium
Experimental (cells)	Bat kidney and lung cells
Experimental (cells)	Immortalized bat kidney cells
Sequencing only	Pooled rectal swabs
Experimental (bats)	Individual oral and rectal swabs and tissue
Experimental (cells)	Bat lung cells
Cross-sectional (inter-species)	Fecal samples and a small number of urine
Cross-sectional (inter-species)	Individual intestines; feces, rectal, and oral
Cross-sectional (inter-species)	Individual rectal and oral swabs, and fecal
Cross-sectional (inter-species)	Individual rectal swabs or fecal pellets
Cross-sectional (inter-species); Multi-pathogen detection	Under roost fecal samples
Experimental (cells)	Immortalized bat kidney and lung cells
Longitudinal; Cross-sectional (inter-species)	Individual fecal pellets
Cross-sectional (inter-species)	Individual fecal samples
Cross-sectional (inter-species)	Individual rectal swabs and fresh feces
Sequencing only	Individual fecal samples
Experimental (cells)	Bat embryo cells
Longitudinal; Multi-pathogen detection	Individual head, body, oral, and rectal swabs
Longitudinal	Individual head, body, oral and rectal swabs
Experimental (bats)	Individual oral swabs and pooled fecal samples
Cross-sectional (inter-species)	Individual feces
Cross-sectional (inter-species)	Individual oral swabs and rectal swabs, pooled
Cross-sectional (inter-species)	Individual rectal and throat swabs
Experimental (cells)	Insect cells expressing bat CD26
Sequencing only	Individual patagium, lung, liver, and feces
Sequencing only	Individual bat fecal samples
Cross-sectional (inter-species)	Individual fecal and oral samples
Cross-sectional (intra-species)	Individual tissue samples (brain, heart, liver)
Cross-sectional (inter-species); Multi-pathogen detection	Individual oropharyngeal samples
Cross-sectional (intra-species)	Individual fecal samples (single bats and pooled)
Cross-sectional (inter-species)	Individual rectal swabs and blood samples
Sequencing only	Individual anal swabs
Cross-sectional (inter-species); Multi-pathogen detection	Individual fecal and intestinal samples or pooled
Cross-sectional (inter-species)	Individual oral and fecal swabs
Cross-sectional (inter-species); Multi-pathogen detection	Individual fecal swabs
Cross-sectional (inter-species); Multi-pathogen detection	Individual tissue samples (lungs, liver, spleen)
Cross-sectional (inter-species)	Individual oral and rectal swabs
Cross-sectional (inter-species)	Individual respiratory and alimentary samples
Cross-sectional (inter-species)	Individual respiratory and alimentary samples
Sequencing only; Multi-pathogen detection	Individual fecal samples
Cross-sectional (inter-species)	Individual oral swabs (348), fecal samples (348)
Cross-sectional (inter-species)	Individual intestine samples
Cross-sectional (inter-species)	Pooled and individual guano samples
Cross-sectional (inter-species)	Individual rectal swabs and fecal samples
Cross-sectional (inter-species)	Individual rectal swabs, oral swabs, and feces
Cross-sectional (inter-species)	Individual blood (247), saliva (608), anal swabs
Sequencing only	Individual rectal swabs and blood samples
Cross-sectional (inter-species), Experimental (cells)	Individual fecal samples
Cross-sectional (inter-species)	Individual oral swabs, rectal swabs, whole blood
Cross-sectional (inter-species)	Individual pharyngeal and anal swabs, pooled
Cross-sectional (inter-species)	Individual feces, oral swabs, and urine



Total positive bats	Total sampled bats	Proportion positive
23	59	0.389830508
5	328	0.015243902
15	162	0.092592593
24	136	0.176470588
0	927	0
Positive samples from Li 2005 Science ( <a href="https://doi.org/10.1126/science.1111111">https://doi.org/10.1126/science.1111111</a> )	Unclear	.
64	985	0.064974619
37	309	0.1197411
6	57	0.105263158
66	412	0.16019417
47	705	0.066666667
52	509	0.1021611
1	7	0.142857143
2	114	0.01754386
Unclear	Unclear	.
31	315	0.098412698
.	.	.
3	131	0.022900763
12	335	0.035820896
41	221	0.185520362
3 out of 6 pools	41 (6 pools)	0.5
202	499	0.404809619
42	350	0.12
192	1401	0.13704497
1 pooled sample	480 individual pellets	.
1	33	0.03030303
35	211	0.165876777
14	106	0.132075472
9	52	0.173076923
2	24	0.083333333
28	552	0.050724638
2	52	0.038461538
1	975	0.001025641
14	821	0.017052375
61	494	0.123481781
26	112	0.232142857
2	52	0.038461538
1	6	0.166666667
unclear	unclear	unclear
39	4,796	0.00813178
.	.	.
7 individual, 9 under roost	49 individual, 11 under roost	0.142857143
At least 7	Unclear	.
53	179	0.296089385
Unclear (2 pools had CoV sequences)	216	.
39	309	0.126213592
86	5030	0.017097416
32	606	0.052805281
76	1631	0.04659718
50	1562	0.032010243
2	75	0.026666667
27	117	0.230769231
3	113	0.026548673
3	172	0.01744186

0	853	0
.	.	.
5	62	0.080645161
84	5481	0.01532567
16	195	0.082051282
29	150	0.193333333
7	110	0.063636364
.	.	.
.	.	.
4	104	0.038461538
In pools from 2 sp.	414	.
.	.	.
1	Unclear	.
.	.	.
4	4	1
3	447	0.006711409
5 (includes 2 pools)	3874	0.001290656
6	38	0.157894737
0	100	0
1 pool with all samples	32 (pooled samples).	.
.	.	.
3	74	0.040540541
81	2087	0.038811691
5	162	0.030864198
46	348	0.13218391
.	.	.
4	421	0.009501188
14	313	0.044728435
142	1509	0.09410205
47	626	0.075079872
197	4440	0.044369369
.	.	.
9	305	0.029508197
55 (pooled samples)	248 (pooled samples)	0.221774194
57	248	0.22983871
28	194	0.144329897
24	775	0.030967742
138	276	0.5
15	401	0.037406484
47	118	0.398305085
4	49	0.081632653
6	79	0.075949367
1? (some pooled samples had CoV sequences in ther	431	.
9	10	0.9
44	821	0.053593179
173?	1504	0.115026595744681?
17	32	0.53125
57	431	0.13225058
50	951	0.052576236
1	Unclear	.
0	109	0
1	Unclear	.
1065	12333	0.086353685
22	145	0.151724138
84	602	0.13953488

16	135	0.11851852
23	52	0.442307692
93	1965	0.047328244
18	672	0.026785714
50	1004	0.049800797
73	1067	0.06841612
12	504	0.023809524
2	2	1
181	568	0.318661972
43	878	0.048974943
39	302	0.129139073
17	364	0.046703297
53	157	0.337579618
240	2050	0.117073171
7	132	0.053030303
58	2377	0.024400505
?	?	?
212	1551	0.136686009
8	123 pools	0.06504065
12	69	0.173913043
.	.	.
21 seropositive, 7 PCR positive	63?	0.11?
3	3	1
24	95	0.252631579
1	58	0.017241379
334	89	0.2665
8	50	0.16
.	.	.
29	1964	0.014765784
58	271	0.21402214
3	27	0.111111111
.	.	.
88	1059	0.083097262
59	555	0.106306306
4	12	0.333333333
68	367	0.185286104
.	.	.
58	591	0.098138748
.	.	.
4?	24 saliva pools, 24 fr	0.142857142857143?
12	103	0.116504854
.	.	.
22	378	0.058201058
1	Unclear	.
10	79	0.126582278
3	107 pooled, 20 indivi	0.15
2	101	0.01980198
25	200 (pooled)	0.125
Unclear	2 libraries from pool	.
4	72	0.055555556
27	503	0.053677932
102	571	0.17863398
1	Unclear	.
209	2061	0.101407084

.	.	.
.	.	.
.	.	.
1	10	0.1
5 (alpha), 0 (SARS-CoV-2)	16	0.3125
.	.	.
238	375	0.634666667
88	1013	0.086870681
35	319	0.109717868
353	Unclear	.
1	18	0.055555556
.	.	.
78	512	0.15234375
18	1066	0.016885553
230	753	0.305444887
2	4	0.5
.	.	.
Unclear	210	.
72	206	0.349514563
9	12	0.75
1	49	0.020408163
7	464	0.015086207
25	586	0.042662116
.	.	.
1	227	0.004405286
1	Unclear	.
24	197	0.121827411
2	101	0.01980198
7	155	0.04516129
1	53	0.018867925
72	182	0.395604396
8	Unclear	.
17	174	0.097701149
16	430	0.037209302
8	95	0.084210526
1	375	0.002666667
119	1356	0.087758112
267	9866	0.027062639
32	6086	0.005257969
7	Unclear	.
82	1640	0.05
2	36	0.055555556
One positive roost	Nine roosts	.
33	396	0.083333333
175	2581	0.067803177
24	539	0.044526902
13	100	0.13
26	8004	0.003248376
3	NA	NA
199 (pools), 146 (samples from sarbe-CoV-positive pc	372 (pools), 1068 (s	0.534946237
26	342	0.076023392

Detection method	Gene target	GenBank accession numbers
PCR, cell culture	pol	DQ022305, DQ084199, DQ084200
PCR, serology, cell culture	N, P	DQ71615
PCR	RdRp	AY864196-AY864198
PCR	RdRp	DQ666337-DQ666344
Serology, PCR	Unclear	.
Genome sequencing	Full genome	DQ071615, DQ412042, DQ412043
PCR	RdRp	DQ648786-DQ648797, DQ648799-D
PCR, cell culture	pol	DQ249213-DQ249219, DQ249219, C
PCR	ORF1b	EF544563-EF544568.
PCR, Sanger and NGS	RdRp	EF203064 - EF203067
Serology	.	Serology only
PCR (pol gene and whole genome using R	pol gene and who	EF065505 to EF065516
PCR	ORF1b	EU236685
PCR	RdRp	EU769557, EU769558
Genome sequencing (method in suppleme	BtCoVs 1A, 1B ar	EU420137-EU420139
RT-PCR,	RdRp	EU375853-EU375875
.	.	.
PCR, cell culture	RdRp	Unclear
PCR	RdRp	FJ710043-FJ710056
PCR	RdRp	Unclear
PCR, NGS	Metagenomics, a	HQ585081 to HQ585086 and HQ585
RT-PCR, nucleotide sequencing	RdRp	GU190215, GU190248
PCR, sanger (RdRp, S, N(	RdRp	HM211098 to HM211101
PCR, sanger, WGS	RdRp	GQ153539 to GQ153548
NGS	Metagenomic seq	HM234168
PCR	RdRp	HQ166910
RT-PCR, sequencing	RdRp	GQ259960-GQ259977
RT-PCR	RNApol	Unclear
PCR, TA cloning and sequencing	RdRp	DNA Database of Japan DDBJ: AB5
PCR, sequencing	RdRp and whole (	J588686, FJ588687-FJ588692, FJ5
PCR and sequencing	RdRp	HQ898913, HM017067
RT-PCR, agarose gel comparison with pos	RdRp	Unclear
qRT-PCR, sanger sequencing	RdRp	HM368166
RT-PCR, sequencing	RdRp	HQ184049 to HQ184062
RT-PCR	RdRp, spike (S2)	HQ336973-HQ336976, JF414933-JI
RT-PCR, sequencing	RdRp	JF440349-JF440366
SYBR Green real-time PCR method, BLAS	RdRp	Unclear
PCR	nucleocapsid gen	JN857311 to JN857318
Metagenomics, PCR and sequencing	All viruses, addit	JX537911 through JX537914
PCR, sanger, WGS	HKU10 + only	JQ989266 -JQ989273
.	.	.
PCR	RdRp and S	AB619638-AB619642 and AB644273
PCR	RdRp	HQ728480-HQ728486
PCR and sequencing	RdRp	AB683970, AB683971
Metagenomics	Metagenomic seq	Unclear
RT-PCR	pol	Unclear
real-time RT-PCR	RdRp, Spike	JX899382-JX899384
PCR	RdRp	KC117184-KC117213
PCR, cloning, sequencing	RdRp	KC692413-KC692416
PCR	RdRp	JQ731775-JQ731800, KC633193-KC
PCR	RdRp	KF312399, KF312400
PCR	RdRP or S gene,	Unclear
RT-PCR	RdRp	Unclear
PCR	RdRp	KC886321, KC886322

RT-PCR	RdRp	.
.	.	.
RT-PCR	RdRp	KC869678
PCR	RdRp all bats, S	KC522036-KC522119
PCR	RdRp	KF500940-KF500954
PCR	RdRp	KC110770-KC110785
PCR and sequencing	RdRp	KF493884-KF493888
.	.	.
.	.	.
PCR and sequencing	RdRp	Unclear
PCR, NGS	Whole genome	JX993987-JX993988
.	.	.
RT-PCR	RdRp	KC869678
.	.	.
PCR	Metagenomic seq	KF575176
RT-PCR	RdRp	KJ652335, KJ652329-KJ652334
PCR	RdRp	JX174638-JX174640 (Hipp spp); JX1
PCR and sequencing	RdRp	AB889995 to AB890000
RT-PCR	RdRp	.
NGS	RdRp, S	KJ473821
.	.	.
PCR	RdRp, helicase	DNA Data Bank of Japan: AB918718
RT-PCR	RdRp and spike g	KT253259 to KT253323
nested RT-PCR	RdRp	KT345294, KT345296
PCR and sequencing	RdRp	Unclear
.	.	.
PCR and sequencing	RdRp	KC779225, KC779226, KM215146 ar
PCR	RdRp	Unclear
RT-PCR	RdRp	Unclear
PCR and sequencing	RdRp	KJ020577 – KJ020636, KJ652018, K
Metagenomics, followed by RACE PCR	Full genome	JX993987, JX993988, KF636752, KJ
.	.	.
PCR and sequencing	RdRp	KU552072 to KU552079
PCR	RdRp	KX092163-KX092228 (some from rat
PCR and sequencing	RdRp	KT381902-KT381925
5'/3' RACE (primers based on alignments c	RdRp, S gene	KJ473795 to KJ473805
RT-PCR, forward and reverse sequencing	RdRp	KT894920-KT894926
PCR	RdRp	KP876505 to KP876546 and KU3431
PCR and sequencing	RdRp	KT717380-KT717394
PCR, sanger and NGS	RdRp	KU762337, KU762338
PCR and sequencing, high-throughput seq	RdRp	DQ648828, KF294456, DQ648841, C
RT-PCR	RdRp	KU131210-KU131216
PCR and sequencing individual samples, N	RdRp, NGS	KX452686-KX452686
PCR	N gene	.
PCR and sequencing	RdRp	Unclear
PCR	RdRp	EU834950-EU834956
Serology, RT-PCR	RdRp, N	KT381902, KT381912
qPCR	nucleocapsid (N)	Unclear
RT-PCR and sequencing, RACE PCR and	RdRP	KU182954 to KU183005
Unclear	Whole genome	KT444582
Serology, RT-PCR	spike	.
PCR	orf1ab	KX574227
consensus PCR	orf1ab	Unclear
PCR	RNApol	KY009612-KY009634.
PCR and sequencing	RdRp	KY417142 - KY417152

metagenomics followed by PCR (prevalence)	Full genome, RdRp	PRJNA379515; GenBank include
PCR	RdRp	.
PCR and sequencing	RdRp	KX284902 to KX520662 and KY0106
PCR and sequencing	RdRp	KY432454–432471
RT-PCR	RdRp	Unclear
RT-PCR	RdRp	KF294268-KF294282, KF294373-KF294382
RT-PCR, nucleotide sequencing	RdRp	LC334383, LC334384, LC334385
RT-PCR, full genome sequencing Ion Torrent	RdRp, CoV clade	MG596802, MG596803
RT-PCR	RdRp	Unclear
RT-PCR, sequencing	RdRp	KY502383 to KY502414,
PCR, sequencing	RdRp	KY780381- KY780400
PCR	Unclear	Unclear
PCR and sequencing, and NGS	RdRp, and whole	KY820767 to KY820807, KY799179
RT-PCR	RdRp	KY073744 to KY073748
PCR, sequencing	RdRp	KU973686 to KU973692
RT-PCR	RdRp	Unclear
DPP4 expression	Immunohistochemistry	.
PCR	RdRp	KY423375-KY423491
PCR	RdRp	MG000865; MG000866; MG000867;
Serology, RT-PCR	RdRp, N	Unclear
.	.	.
PCR and NGS (gene expression virus and	NGS and PCR pa	SRX3752319-SRX3752333
RT-PCR (sample screening), Full genome	Bat coronavirus s	MH938448, MH938449, MH938450
PCR and sequencing	RdRp	KX285038-KX285046
PCR, metagenomics	RdRp	MF579865-MF579871 and MF593261
PCR and sequencing	RdRp	MG772884 - MG772934
RT-PCR	RdRp	Unclear
.	.	.
PCR and sequencing	RdRp all bats, PC	Unclear
PCR	ORF1b	European Nucleic Archive (ENA): PR
RT-PCR, forward and reverse sequencing	RdRp	MG978754
.	.	.
RT-PCR	RdRp	Unclear
RT-PCR	RdRp	MG762619–MG762664; MG762606–
PCR	WIV1-specific prim	.
PCR and sequencing	RdRp	MG256395-MG256474 and MG33391
.	.	.
PCR and sequencing	RdRp	MF094697–MF094701, MF769406–M
.	.	.
NGS	Whole genome	European Nucleotide Archive (ENA) i
PCR and sequencing	nsP12	MH974764 to MH974780
.	.	.
PCR	RdRp	MK211369-MK211373, MK211374-M
PCR, NGS	RdRp, and primer	KY938558
RT-PCR, sanger sequencing, Miseq sequen	RdRp	MG923567.2, MG923569.1, MG9235
PCR, NGS	RdRp, whole genome	MN187553, MK492263
RT-PCR	RdRp	Unclear
PCR and sequencing	RdRp	MK603150–MK603161
NGS	Metagenomic seq.	.
NGS and confirmation PCR and sequencing	First NGS then cc	MH396476-MH396479
consensus PCR	RdRp	known:(KX285830, KX285828, KX28
PCR	RdRp	MN602054- MN602068
PCR	Full genome	KY352407
Enrichment and NGS sequencing	Whole genome	MG916901 to MG916904

.	.	.
.	.	.
NGS shotgun sequencing	Whole genome	MT663548
PCR	replicase	.
.	.	.
PCR	RdRp	Unclear
RT-PCR	RdRp	MN183146 to MN183273
PCR	RdRp	MT586830-MT586867
PCR	RdRp	MN312240-MN312869
PCR	RdRp	MW089336
.	.	.
PCR	RdRp	MK991901-MK991951
PCR	RdRp	MG963186-MG963189, MG963191-M
PCR	orf1ab (2 rxns)	Unclear
PCR, NGS	RdRp, whole genome	LC556375
.	.	.
NGS shotgun sequencing and target enrichment	Metagenomic sequencing	PRJNA561193
NGS shotgun sequencing	Whole genome	MT350598
PCR	SARS-CoV-2-specific	.
PCR	RdRp	Unclear
PCR	RdRp, helicase	MT063742-MT063795
RT-PCR	RdRp	Unclear
.	.	.
Metagenomics	Whole genome	Unclear
PCR, NGS	RdRp, whole genome	MN996527-MN996532; GSAID: PI_IS
Metagenomics, PCR	Whole genome	MZ190137 and MZ190138
Metagenomics, PCR	RdRp, spike	MW465544, MW465545 and MW473
Metagenomics	Whole genome	MT671952- MT671958
Metagenomics	Whole genome	BioProject: PRNJA706167
PCR	RdRp, N	MW652309-MW652323, MZ451148-I
Metagenomics, PCR	Whole genome, F	National Genomics Data Center of CI
Metagenomics	Whole genome	MT815927-MT815982 and MT81822
PCR	RdRp	European Nucleotide Archive (Sampl
PCR	RdRp	Unclear
Metagenomics, PCR	Whole genome, F	MN851285
PCR	RdRp	MT064119-MT064126, MT064226, M
PCR	RdRp	Unclear
PCR	RdRp	MW218376-MW218394 and MW218
Metagenomics	Whole genome	MN535731-MN535734, MN543743, M
PCR	RdRp, spike	MZ467334-MZ467412, MZ475055-M
Metagenomics	Whole genome	.
Metagenomics, PCR	Whole genome, F	MT734803 to MT734817 and MW151
PCR	RdRp	MW987539-MW987571
PCR	RdRp, spike, E, N	MZ474745-MZ474805
Metagenomics, PCR	RdRp, whole genome	MZ937000-MZ937004
PCR	RdRp	MW251308, MW251309, MW25131C
PCR	RdRp, whole genome	MN477899-MN477915
PCR, NGS	RdRp, whole genome	Unclear
Metagenomics, PCR	RdRp, whole genome	OK017594-OK017860
Metagenomics	Whole genome	.



## Coronavirus genera (subgenera) detected

beta (sarbe)  
alpha (rhina), beta (sarbe)  
alpha (munina)  
alpha (munina)  
None  
beta (sarbe)  
alpha (cola, rhina, munina), beta (sarbe, mert  
alpha (munina, cola, rhina), beta (sarbe, mert  
alpha (cola)  
alpha (rhina)  
beta (sarbe)  
alpha (munina, rhina), beta (sarbe, nobe)  
beta  
alpha (phylostomid cluster)  
alpha  
alpha, unknown  
beta (sarbe)  
alpha (cola)  
alpha (duvina), beta (hibe)  
alpha (molossid cluster, deca, munina, duvin  
unclear  
alpha,beta  
beta (nobe)  
beta (sarbe)  
alpha  
beta (hibe)  
alpha (cola, nycta), beta (merbe)  
beta (sarbe)  
alpha, beta (nobe)  
beta (sarbe)  
alpha, beta (hibe)  
beta (sarbe)  
alpha  
alpha, beta (merbe)  
alpha  
alpha  
alpha  
beta (nobe)  
alpha  
alpha (deca)  
beta (merbe)  
alpha (munina)  
alpha, beta (nobe)  
alpha, beta (nobe)  
Reads mapped to BtCoV 1A (GenBank acces  
Unclear  
beta (merbe)  
alpha (phylostomid cluster, Artibeus cluster),  
beta (nobe), gamma  
alpha (cola [Brazil], phylostomid cluster [Braz  
alpha (deca), beta (merbe)  
beta (sarbe)  
alpha  
alpha (phylostomid cluster [Brazil]), beta (mor

None

beta (sarbe)

alpha, beta (merbe)

beta (merbe)

alpha (nycta), beta (sarbe, merbe)

alpha (molossid cluster)

alpha (setra, peda), beta (merbe)

beta (merbe)

beta (merbe)

beta (merbe)

beta (sarbe)

beta (mers)

beta (merbe)

beta (mers)

alpha (?)

alpha, beta (sarbe)

beta (hibe, duvina, nobe)

beta (sarbe)

None

beta (merbe)

beta (sarbe, merbe)

beta (nobe)

alpha (duvina)

alpha, beta

alpha, beta

alpha (peda)

alpha

beta (nobe)

Unclear

alpha (rhina), beta (nobe)

alpha, beta (sarbe, merbe, hibe)

beta (merbe)

alpha

alpha

alpha, beta (sarbe)

alpha

alpha

alpha, beta (sarbe, hibe)

alpha, beta (merbe)

beta (nobe)

alpha, beta (sarbe)

beta (nobe)

alpha, beta (nobe)

beta (merbe)

beta (nobe)

alpha, beta (hibe, nobe)

alpha

beta (sarbe)

alpha (rhina), beta (sarbe, merbe, nobe)

beta: bat SL-CoV WIV16

beta (mers)

beta (merbe)

alpha (setra, duvina), beta (merbe, hibe, sarb

alpha, beta (merbe)

beta (sarbe)

alpha, beta (sarbe)  
alpha  
alpha, beta (nobe)  
beta (merbe, sarbe)  
alpha, beta  
alpha, beta (sarbe)  
alpha, beta  
beta (merbe)  
beta (nobe)  
alpha, beta (sarbe)  
alpha, beta (merbe, sarbe)  
No info  
alpha  
alpha (munina, deca, setra, duvina), beta (sar  
alpha, beta (sarbe), gamma  
alpha (duvina, munina), beta (merbe, nobe)  
beta (merbe)  
alpha, beta (sarbe)  
alpha (duvina), beta (hibe)  
alpha, beta (sarbe)  
beta (merbe)  
Unclear  
alpha  
beta (nobe)  
alpha, beta (merbe)  
alpha, beta (sarbe)  
beta (nobe)  
beta (sarbe, merbe), alpha (duvina)  
alpha (nycta), beta (merbe, sarbe)  
alpha  
beta (sarbe)  
beta (merbe)  
beta  
beta (merbe)  
beta (sarbe)  
alpha, beta (nobe)  
beta (sarbe, merbe)  
beta  
beta (merbe)  
alpha, delta  
alpha  
beta (sarbe)  
alpha (peda), beta (sarbe, nobe)  
beta (sarbe)  
alpha, beta (merbe)  
beta (nobe)  
beta (sarbe)  
alpha  
beta (nobe)  
alpha, beta (nobe)  
alpha, beta (sarbe, hibe, nobe)  
alpha  
beta (sarbe)  
HKU2, HKU8, HuB2013, Mi-BtCoV 1, SARSr-

beta (merbe)  
alpha (rhina)  
beta (merbe)  
alpha  
alpha  
beta (sarbe, merbe)  
alpha, beta (nobe)  
alpha (duvina, munina), beta (merbe, nobe)  
alpha (duvina), beta (merbe, hibe, sarbe)  
beta (sarbe, merbe, nobe, hibe), alpha (rhina)  
alpha  
beta (sarbe)  
alpha, beta (sarbe)  
alpha (duvina), beta (hibe)  
alpha (setra, duvina), beta (sarbe, nobe)  
beta (sarbe)  
beta (sarbe)  
alpha, beta (nobe)  
beta (nobe)  
beta (sarbe)  
beta (nobe)  
alpha (?), beta (?)  
beta (nobe)  
beta (mers)  
beta (sarbe)  
beta (sarbe)  
beta (sarbe)  
alpha  
alpha  
beta (sarbe)  
beta (nobe)  
beta (sarbe)  
alpha, beta (merbe)  
alpha, beta (sarbe)  
beta (nobe, hibe)  
alpha  
alpha (duvina, setra), beta (nobe, hibe)  
beta (sarbe, merbe, nobe)  
beta (merbe)  
alpha (peda, nycta, myota)  
alpha (peda, minuna), beta (merbe, sarbe)  
beta (sarbe)  
alpha  
alpha, beta (nobe)  
alpha (duvina), beta (nobe, hibe)  
alpha (deca, peda, rhina), beta (nobe, sarbe)  
beta (sarbe)  
alpha  
beta (sarbe)  
alpha (deca, rhina, peda, minuna), beta (nobe  
alpha (deca, peda, myota, rhina), beta (sarbe)

Positive bat families	Comment
Rhinolophidae	.
Rhinolophidae	.
Miniopteridae	.
Miniopteridae	.
None	.
Rhinolophidae	.
Rhinolophidae, Vespertilionidae	.
Rhinolophidae, Miniopteridae, Vespertilionidae	.
Vespertilionidae	.
Rhinolophidae	.
Pteropodidae, Molossidae, Rhinolophidae, Miniopteridae	.
Pteropodidae, Rhinolophidae, Vespertilionidae	.
Phyllostomidae	.
Phyllostomidae	.
Vespertilionidae	Supplementary m
Vespertilionidae	.
.	Experimentally tes
Vespertilionidae	.
Hipposideridae	.
Pteropodidae, Hipposideridae, Vespertilionidae, Molossidae	.
Vespertilionidae	.
Rhinolophidae, Vespertilionidae	.
Pteropodidae	.
Rhinolophidae	.
Unclear	.
Hipposideridae	.
Vespertilionidae	.
Rhinolophidae	.
Pteropodidae, Vespertilionidae	Tested host and v
Rhinolophidae	.
Hipposideridae	with repeat sampl
Rhinolophidae	.
Vespertilionidae	Only a single mat
Vespertilionidae	.
Vespertilionidae	.
Vespertilionidae	.
Rhinolophidae	.
Hipposideridae	.
Vespertilionidae	Comment: the ma
Pteropodidae, Hipposideridae	.
.	Experimentally tes
Miniopteridae	.
Pteropodidae, Megadermatidae, Vespertilionidae, Molossidae	.
Pteropodidae, Hipposideridae, Emballonuridae	.
Rhinolophidae, Miniopteridae	.
Rhinolophidae	.
Vespertilionidae, Nycteridae	.
Phyllostomidae, Mormoopidae, Molossidae, Vespertilionidae	.
Pteropodidae	.
Phyllostomidae, Molossidae, Mormoopidae	.
Vespertilionidae	.
Rhinolophidae	Experimentally tes
Molossidae, Miniopteridae, Vespertilionidae	.
Molossidae, Mormoopidae	.

None	.
.	Experimentally tes
Vespertilionidae	.
Vespertilionidae	Seem to test only
Vespertilionidae, Rhinolophidae	.
Molossidae	.
Individual samples: Emballonuridae, Pteropodidae. Roost samples: Emballonuridae.	.
.	Experimentally tes
.	Experimentally tes
Molossidae?	.
Rhinolophidae, Molossidae	Cannot find list of
.	Experimentally tes
Vespertilionidae	.
.	Experimentally tes
Mystacinidae	.
Rhinolophidae, Vespertilionidae	.
Hipposideridae, Pteropodidae	.
Rhinolophidae	.
None	.
Vespertilionidae	.
.	Experimentally tes
Pteropodidae	.
Hipposideridae	over 10 years
Vespertilionidae	.
Rhinolophidae, Hipposideridae, Vespertilionidae, Pteropodidae	.
.	Experimentally tes
Phyllostomidae	.
Pteropodidae	.
Hipposideridae, Pteropodidae, Rhinolophidae, Miniopteridae, Vespertilionidae	also ran serology
Pteropodidae, Emballonuridae, Hipposideridae, Megadermatidae, Rhinolophidae, V.	.
Vespertilionidae, Rhinolophidae, Hipposideridae, Miniopteridae, Pteropodidae, Mol.	.
.	Experimentally tes
Phyllostomidae, Molossidae	.
Vespertilionidae	.
Hipposideridae, Rhinolophidae, Miniopteridae, Vespertilionidae	.
Miniopteridae	.
Vespertilionidae	.
Rhinolophidae, Hipposideridae, Miniopteridae	.
Phyllostomidae, Vespertilionidae, Molossidae	.
Pteropodidae	Experimentally tes
Rhinolophidae, Vespertilionidae	.
Pteropodidae	.
Pteropodidae	.
Phyllostomidae	Comment: infectic
Emballonuridae, Vespertilionidae, Pteropodidae, Rhinolophidae, Miniopteridae	.
RNA in: Hipposideridae, Miniopteridae, Pteropodidae, Rhinolophidae, Vespertilionic	.
Vespertilionidae	.
Rhinolophidae	A single bat popul
Pteropodidae, Hipposideridae, Rhinolophidae, Vespertilionidae	.
Rhinolophidae	They sequence th
None	.
Vespertilionidae	1 bat tested
Molossidae, Vespertilionidae, Hipposideridae, Rhinolophidae, Pteropodidae, Phyllo	.
Rhinolophidae, Vespertilionidae	.
Rhinolophidae, Hipposideridae	Study reports five-

Rhinolophidae	.
Vespertilionidae	A mark-recapture
Emballonuridae, Hipposideridae, Megadermatidae, Pteropodidae, Rhinolophidae, V.	.
Rhinolophidae, Vespertilionidae	.
Pteropodidae, Rhinolophidae, Hipposideridae, Vespertilionidae, Miniopteridae	.
Hipposideridae, Miniopteridae, Vespertilionidae, Rhinolophidae	.
Rhinolophidae, Vespertilionidae, Miniopteridae	.
Vespertilionidae	.
Pteropodidae	Single species, si
Vespertilionidae, Rhinolophidae	.
Vespertilionidae, Rhinolophidae	.
Hipposideridae, Rhinolophidae	Not really a longitu
Vespertilionidae	.
Pteropodidae, Hipposideridae, Rhinolophidae, Megadermatidae, Molossidae, Minio	.
Rhinolophidae	.
Pteropodidae, Hipposideridae, Miniopteridae, Molossidae, Rhinolophidae	.
.	Experimentally tes
Miniopteridae, Molossidae, Rhinolophidae, Vespertilionidae	.
Hipposideridae	.
Rhinolophidae, Miniopteridae, Vespertilionidae	.
.	Experimentally tes
Vespertilionidae	Comments, this s
Vespertilionidae	.
Pteropodidae	.
Vespertilionidae	.
Rhinolophidae	Not really longitud
Pteropodidae	.
.	Experimentally tes
Vespertilionidae, Rhinolophidae	.
Vespertilionidae	Data for the Myoti
Rhinolophidae, Vespertilionidae, Molossidae	.
.	Experimentally tes
Molossidae, Pteropodidae, Rhinolophidae, Vespertilionidae	.
Pteropodidae	Not really longitud
Pteropodidae	Tested host and v
Pteropodidae	Possibly the best
.	Experimentally tes
Rhinolophidae	.
.	Experimentally tes
Phyllostomidae	.
Molossidae, Vespertilionidae, Phyllostomidae	.
.	Experimentally tes
Rhinolophidae, Pteropodidae, Vespertilionidae	.
Rhinolophidae	.
Vespertilionidae	.
Pteropodidae, Vespertilionidae	.
Rhinolophidae	.
Vespertilionidae	.
Pteropodidae	Not individual dat
Pteropodidae, Emballonuridae	.
Pteropodidae, Hipposideridae, Rhinolophidae, Molossidae	.
Vespertilionidae, Molossidae	.
Rhinolophidae	.
Rhinolophidae	.

.	Experimentally tes
.	Experimentally tes
.	Experimentally tes
Phyllostomidae	.
Vespertilionidae	5/16 bats positive
.	Experimentally tes
Pteropodidae	.
Molossidae, Miniopteridae, Rhinolophidae, Rynonycteridae, Pteropodidae, Nycterid	.
Hipposideridae, Nycteridae, Rhinolophidae, Pteropodidae	.
Pteropodidae, Hipposideridae, Rhinolophidae, Miniopteridae, Vespertilionidae	.
Vespertilionidae	Pools of under-ro
.	Experimentally tes
Miniopteridae, Vespertilionidae, Rhinolophidae	Not longitudinal: n
Hipposideridae, Miniopteridae	.
Pteropodidae, Hipposideridae, Molossidae, Rhinolophidae, Vespertilionidae	.
Rhinolophidae	Related to SARS-
.	Experimentally tes
Pteropodidae	Not presented as
Pteropodidae	Data are from a si
.	Tested host and v
Pteropodidae	.
Vespertilionidae, Emballonuridae, Molossidae, Hipposideridae	.
Pteropodidae	.
.	Experimentally tes
Rhinolophidae	Related to SARS-
Rhinolophidae	Related to SARS-
Rhinolophidae	.
Phyllostomidae	.
Molossidae	.
Rhinolophidae	.
Pteropodidae	.
Rhinolophidae	Seems to involve
Vespertilionidae	Mixture of individu
Rhinolophidae (possibly more, but cannot access Supplementary Materials from bi	.
Hipposideridae, Pteropodidae	.
Vespertilionidae	.
Pteropodidae, Rhinolophidae, Hipposideridae, Miniopteridae, Molossidae, Vespertil	.
Pteropodidae, Rhinolophidae, Vespertilionidae	Only tested for the
Vespertilionidae	Only tested for the
Vespertilionidae	Detected astrovir
Vespertillionidae, Rhinolophidae	.
Rhinolophidae	.
Vespertilionidae	.
Miniopteridae, Pteropodidae	.
Hipposideridae, Molossidae, Pteropodidae, Rhinolophidae, Vespertilionidae	.
Hipposideridae, Molossidae, Pteropodidae, Rhinolophidae, Vespertilionidae	CoV screening on
Rhinolophidae	.
Hipposideridae	Only tested for the
Rhinolophidae	.
Pteropodidae, Molossidae, Hipposideridae, Megadermatidae, Miniopteridae, Rhinol	All samples testec
Rhinolophidae, Hipposideridae, Molossidae, Vespertilionidae	.







tudy was done to see whether co-infection of WNS and corona gives higher pathology. I cannot find clear info







on the corona infections. Also uses samples from <https://www.pnas.org/content/109/18/6999#sec-3>. Tested I









host and virus: Myotis lucifugus (Myl-CoV).

<b>Bat species</b>	<b>Bat family</b>	<b>Coronavirus subgenus</b>	<b>Continent</b>
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Europe
Rhinolophus hipposideros	Rhinolophidae	Sarbecovirus	Europe
Dobsonia moluccensis	Pteropodidae	Nobecovirus	Asia
Nycteris cf. gambiensis	Nycteridae	Merbecovirus	Africa
Pipistrellus nathusii	Vespertilionidae	Merbecovirus	Europe
Pipistrellus pipistrellus	Vespertilionidae	Merbecovirus	Europe
Pipistrellus pygmaeus	Vespertilionidae	Merbecovirus	Europe
Nyctinomops laticaudatus	Molossidae	Merbecovirus	America
Pteropus medius	Pteropodidae	Nobecovirus	Asia
Pipistrellus cf. hesperidus	Vespertilionidae	Merbecovirus	Africa
Hipposideros armiger	Hipposideridae	Merbecovirus	Africa, America, Asia
Hipposideros armiger	Hipposideridae	Sarbecovirus	Africa, America, Asia
Hipposideros caffer	Hipposideridae	Sarbecovirus	Africa, America, Asia
Hipposideros galeritus	Hipposideridae	Sarbecovirus	Africa, America, Asia
Hipposideros larvatus	Hipposideridae	Hibecovirus	Africa, America, Asia
Hipposideros lekaguli	Hipposideridae	Nobecovirus	Africa, America, Asia
Nyctinomops laticaudatus	Molossidae	Merbecovirus	Africa, America, Asia
Dyacopterus spadiceus	Pteropodidae	Nobecovirus	Africa, America, Asia
Pteropus alecto	Pteropodidae	Nobecovirus	Africa, America, Asia
Rousettus amplexicaudatus	Pteropodidae	Nobecovirus	Africa, America, Asia
Rhinolophus clivosus	Rhinolophidae	Duvinacovirus	Africa, America, Asia
Rhinolophus clivosus	Rhinolophidae	Rhinacovirus	Africa, America, Asia
Rhinolophus clivosus	Rhinolophidae	Sarbecovirus	Africa, America, Asia
Rhinolophus creaghi	Rhinolophidae	Sarbecovirus	Africa, America, Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Africa, America, Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Africa, America, Asia
Triadenops afer	Rhinonycteridae	Setracovirus	Africa, America, Asia
Triadenops persicus	Rhinonycteridae	Merbecovirus	Africa, America, Asia
Triadenops persicus	Rhinonycteridae	Nobecovirus	Africa, America, Asia
Triadenops persicus	Rhinonycteridae	Setracovirus	Africa, America, Asia
Ia io	Vespertilionidae	Merbecovirus	Africa, America, Asia
Myotis ricketti	Vespertilionidae	Merbecovirus	Africa, America, Asia
Pipistrellus coromandra	Vespertilionidae	Merbecovirus	Africa, America, Asia
Pipistrellus pipistrellus	Vespertilionidae	Merbecovirus	Africa, America, Asia
Scotophilus dinganii	Vespertilionidae	Nobecovirus	Africa, America, Asia
Scotophilus leucogaster	Vespertilionidae	Nobecovirus	Africa, America, Asia
Vespertilio superans	Vespertilionidae	Merbecovirus	Africa, America, Asia
Hipposideros caffer	Hipposideridae	Duvinacovirus	Africa, America, Asia
Hipposideros caffer	Hipposideridae	Hibecovirus	Africa, America, Asia
Hipposideros ruber	Hipposideridae	Duvinacovirus	Africa, America, Asia
Hipposideros ruber	Hipposideridae	Hibecovirus	Africa, America, Asia
Mops condylurus	Molossidae	Nobecovirus	Africa, America, Asia
Eidolon helvum	Pteropodidae	Nobecovirus	Africa, America, Asia

Eonycteris spelaea	Pteropodidae	Nobecovirus	Africa, America, Asia
Epomophorus gambianus	Pteropodidae	Nobecovirus	Africa, America, Asia
Epomops franqueti	Pteropodidae	Nobecovirus	Africa, America, Asia
Megaloglossus woermanni	Pteropodidae	Nobecovirus	Africa, America, Asia
Micropteropus pusillus	Pteropodidae	Nobecovirus	Africa, America, Asia
Myonycteris angolensis	Pteropodidae	Duvinacovirus	Africa, America, Asia
Myonycteris angolensis	Pteropodidae	Nobecovirus	Africa, America, Asia
Pteropus giganteus	Pteropodidae	Nobecovirus	Africa, America, Asia
Rousettus aegyptiacus	Pteropodidae	Nobecovirus	Africa, America, Asia
Rousettus leschenaultii	Pteropodidae	Nobecovirus	Africa, America, Asia
Pipistrellus hesperidus	Vespertilionidae	Merbecovirus	Africa, America, Asia
Hipposideros larvatus	Hipposideridae	Hibecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Europe
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Europe
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Europe
Hipposideros cf. caffer	Hipposideridae	Duvinacovirus	Africa
Hipposideros cf. caffer	Hipposideridae	Hibecovirus	Africa
Rhinolophus monoceros	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus monoceros	Rhinolophidae	Sarbecovirus	Asia
Neoromicia capensis	Vespertilionidae	Merbecovirus	Africa
Hipposideros abae	Hipposideridae	Duvinacovirus	Africa
Hipposideros cf. ruber	Hipposideridae	Duvinacovirus	Africa
Rhinolophus hipposideros	Rhinolophidae	Sarbecovirus	Europe
Eptesicus serotinus	Vespertilionidae	Merbecovirus	Europe
Cynopterus brachyotis	Pteropodidae	Nobecovirus	Asia
Macroglossus minimus	Pteropodidae	Nobecovirus	Asia
Rousettus amplexicaudatus	Pteropodidae	Nobecovirus	Asia
Rhinolophus blasii	Rhinolophidae	Sarbecovirus	Europe
Rhinolophus blasii	Rhinolophidae	Rhinacovirus	Europe
Rhinolophus euryale	Rhinolophidae	Sarbecovirus	Europe
Rhinolophus euryale	Rhinolophidae	Rhinacovirus	Europe
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Europe
Rhinolophus mehelyi	Rhinolophidae	Sarbecovirus	Europe
Eptesicus isabellinus	Vespertilionidae	Merbecovirus	Europe
Hypsugo savii	Vespertilionidae	Merbecovirus	Europe
Pteropus alecto	Pteropodidae	Nobecovirus	Asia
Hipposideros armiger	Hipposideridae	Nobecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Hipposideros pomona	Hipposideridae	Hibecovirus	Asia
Rhinolophus affinis	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus affinis	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Rhinacovirus	Asia
Neoromicia capensis	Vespertilionidae	Merbecovirus	Africa
Eumops glaucinus	Molossidae	Merbecovirus	America
Rhinolophus affinis	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus steno	Rhinolophidae	Sarbecovirus	Asia
Eptesicus serotinus	Vespertilionidae	Merbecovirus	Asia
Myotis pequinius	Vespertilionidae	Merbecovirus	Asia
Cynopterus sphinx	Pteropodidae	Nobecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Vespertilio murinus	Vespertilionidae	Merbecovirus	Europe
Aselliscus stoliczkanus	Hipposideridae	Sarbecovirus	Asia

Rhinolophus affinis	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Rousettus leschenaultii	Pteropodidae	Nobecovirus	Asia
Rhinolophus shameli	Rhinolophidae	Sarbecovirus	Asia
Neoromicia cf. zuluensis	Vespertilionidae	Merbecovirus	Africa
Hipposideros caffer	Hipposideridae	Duvinacovirus	Africa
Nycteris thebaica	Nycteridae	Merbecovirus	Africa
Rousettus madagascariensis	Pteropodidae	Nobecovirus	Africa
Rhinolophus lobatus	Rhinolophidae	Rhinacovirus	Africa
Rhinolophus rhodesiae	Rhinolophidae	Rhinacovirus	Africa
Triaenops afer	Rhinonycteridae	Setracovirus	Africa
Rhinolophus euryale	Rhinolophidae	Sarbecovirus	Europe
Hipposideros ruber	Hipposideridae	Hibecovirus	Africa
Epomophorus gambianus	Pteropodidae	Nobecovirus	Africa
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Eptesicus nilssonii	Vespertilionidae	Merbecovirus	Europe
Pteropus medius	Pteropodidae	Nobecovirus	Asia
Hipposideros ruber	Hipposideridae	Duvinacovirus	Africa
Hipposideros ruber	Hipposideridae	Hibecovirus	Africa
Eidolon helvum	Pteropodidae	Nobecovirus	Africa
Epomops franqueti	Pteropodidae	Nobecovirus	Africa
Megaloglossus woermanni	Pteropodidae	Nobecovirus	Africa
Micropteropus pusillus	Pteropodidae	Nobecovirus	Africa
Triaenops afer	Rhinonycteridae	Setracovirus	Africa
Triaenops persicus	Rhinonycteridae	Setracovirus	Africa
Cynopterus sphinx	Pteropodidae	Nobecovirus	Asia
Eonycteris spelaea	Pteropodidae	Nobecovirus	Asia
Megaerops niphanae	Pteropodidae	Nobecovirus	Asia
Rousettus amplexicaudatus	Pteropodidae	Nobecovirus	Asia
Rousettus leschenaultii	Pteropodidae	Nobecovirus	Asia
Pipistrellus coromandra	Vespertilionidae	Merbecovirus	Asia
Hipposideros ruber	Hipposideridae	Duvinacovirus	Africa
Hipposideros ruber	Hipposideridae	Hibecovirus	Africa
Nycteris macrotis	Nycteridae	Merbecovirus	Africa
Eidolon helvum	Pteropodidae	Nobecovirus	Africa
Epomophorus gambianus	Pteropodidae	Nobecovirus	Africa
Lissonycteris angolensis	Pteropodidae	Nobecovirus	Africa
Nanonycteris veldkampii	Pteropodidae	Nobecovirus	Africa
Rousettus aegyptiacus	Pteropodidae	Nobecovirus	Africa
Aselliscus stoliczkanus	Hipposideridae	Sarbecovirus	Asia
Hipposideros armiger	Hipposideridae	Sarbecovirus	Asia
Hipposideros armiger	Hipposideridae	Nobecovirus	Asia
Hipposideros armiger	Hipposideridae	Hibecovirus	Asia
Hipposideros armiger	Hipposideridae	Rhinacovirus	Asia
Hipposideros pomona	Hipposideridae	Sarbecovirus	Asia
Hipposideros pomona	Hipposideridae	Hibecovirus	Asia
Hipposideros pomona	Hipposideridae	Rhinacovirus	Asia
Hipposideros pratti	Hipposideridae	Sarbecovirus	Asia
Hipposideros pratti	Hipposideridae	Hibecovirus	Asia
Hipposideros pratti	Hipposideridae	Rhinacovirus	Asia
Miniopterus schreibersii	Miniopteridae	Rhinacovirus	Asia

Cynopterus sphinx	Pteropodidae	Nobecovirus	Asia
Eonycteris spelaea	Pteropodidae	Nobecovirus	Asia
Rhinolophus affinis	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus affinis	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus macrotis	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Rhinacovirus	Asia
la io	Vespertilionidae	Merbecovirus	Asia
Myotis horsfieldii	Vespertilionidae	Nobecovirus	Asia
Pipistrellus abramus	Vespertilionidae	Merbecovirus	Asia
Pipistrellus abramus	Vespertilionidae	Nobecovirus	Asia
Tylonycteris pachypus	Vespertilionidae	Merbecovirus	Asia
Vespertilio sinensis	Vespertilionidae	Merbecovirus	Asia
Vespertilio sinensis	Vespertilionidae	Hibecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Rhinacovirus	Asia
Rousettus leschenaultii	Pteropodidae	Nobecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Pipistrellus abramus	Vespertilionidae	Merbecovirus	Asia
Tylonycteris pachypus	Vespertilionidae	Merbecovirus	Asia
Rousettus leschenaultii	Pteropodidae	Nobecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus steno	Rhinolophidae	Rhinacovirus	Asia
Myotis daubentonii	Vespertilionidae	Rhinacovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Hypsugo pulveratus	Vespertilionidae	Merbecovirus	Asia
Tylonycteris pachypus	Vespertilionidae	Merbecovirus	Asia
Rousettus leschenaultii	Pteropodidae	Nobecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Hypsugo pulveratus	Vespertilionidae	Merbecovirus	Asia
Pipistrellus abramus	Vespertilionidae	Merbecovirus	Asia
Tylonycteris pachypus	Vespertilionidae	Merbecovirus	Asia
Tylonycteris pachypus	Vespertilionidae	Merbecovirus	Asia
Tadarida teniotis	Molossidae	Sarbecovirus	Europe
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Europe
Plecotus auritus	Vespertilionidae	Sarbecovirus	Europe
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Eptesicus serotinus	Vespertilionidae	Merbecovirus	Asia
Pipistrellus abramus	Vespertilionidae	Merbecovirus	Asia
Vespertilio sinensis	Vespertilionidae	Merbecovirus	Asia
Miniopterus schreibersii	Miniopteridae	Merbecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Merbecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Eptesicus serotinus	Vespertilionidae	Merbecovirus	Asia
Myotis ikonnikovi	Vespertilionidae	Merbecovirus	Asia
Pipistrellus abramus	Vespertilionidae	Merbecovirus	Asia
Pipistrellus abramus	Vespertilionidae	Sarbecovirus	Asia
Vespertilio sinensis	Vespertilionidae	Merbecovirus	Asia
Rhinolophus hipposideros	Rhinolophidae	Sarbecovirus	Europe
Hypsugo savii	Vespertilionidae	Merbecovirus	Europe
Nyctalus noctula	Vespertilionidae	Merbecovirus	Europe
Pipistrellus kuhlii	Vespertilionidae	Merbecovirus	Europe

Eidolon helvum	Pteropodidae	Nobecovirus	Africa
Rhinolophus macrotis	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus pearsonii	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Sarbecovirus	Asia
Cynopterus brachyotis	Pteropodidae	Nobecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus monoceros	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus pearsonii	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus rex	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus thomasi	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Merbecovirus	Asia
la io	Vespertilionidae	Merbecovirus	Asia
Pipistrellus abramus	Vespertilionidae	Merbecovirus	Asia
Pipistrellus minus	Vespertilionidae	Merbecovirus	Asia
Pipistrellus pipistrellus	Vespertilionidae	Merbecovirus	Asia
Tylonycteris pachypus	Vespertilionidae	Merbecovirus	Asia
Vespertilio superans	Vespertilionidae	Merbecovirus	Asia
Eonycteris spelaea	Pteropodidae	Nobecovirus	Asia
Rousettus leschenaultii	Pteropodidae	Nobecovirus	Asia
Hipposideros cf. ruber	Hipposideridae	Hibecovirus	Africa
Hipposideros cf. ruber	Hipposideridae	Duvinacovirus	Africa
Micropteropus pusillus	Pteropodidae	Nobecovirus	Africa
Hipposideros cf. ruber	Hipposideridae	Duvinacovirus	Africa
Hipposideros gigas	Hipposideridae	Duvinacovirus	Africa
Hipposideros gigas	Hipposideridae	Hibecovirus	Africa
Rhinolophus clivosus	Rhinolophidae	Sarbecovirus	Africa
Taphozous perforatus	Emballonuridae	Merbecovirus	Asia
Eonycteris spelaea	Pteropodidae	Nobecovirus	Asia
Eidolon helvum	Pteropodidae	Nobecovirus	Asia
Chaerephon pumilus	Molossidae	Nobecovirus	Africa
Eidolon helvum	Pteropodidae	Nobecovirus	Africa
Rousettus aegyptiacus	Pteropodidae	Nobecovirus	Africa
Rhinolophus cf. clivosus	Rhinolophidae	Sarbecovirus	Africa
Rhinolophus cf. clivosus	Rhinolophidae	Duvinacovirus	Africa
Triaenops persicus	Rhinonycteridae	Nobecovirus	Africa
Triaenops persicus	Rhinonycteridae	Setracovirus	Africa
Pipistrellus cf. hesperidus	Vespertilionidae	Merbecovirus	Africa
Hypsugo savii	Vespertilionidae	Merbecovirus	Europe
Pipistrellus kuhlii	Vespertilionidae	Merbecovirus	Europe
Rhinolophus cornutus	Rhinolophidae	Sarbecovirus	Asia
Rousettus leschenaultii	Pteropodidae	Nobecovirus	Asia
Hipposideros caffer	Hipposideridae	Duvinacovirus	Africa
Hipposideros curtus	Hipposideridae	Duvinacovirus	Africa
Hipposideros fuliginosus	Hipposideridae	Hibecovirus	Africa
Hipposideros ruber	Hipposideridae	Duvinacovirus	Africa
Hipposideros ruber	Hipposideridae	Hibecovirus	Africa
Macronycteris gigas	Hipposideridae	Hibecovirus	Africa
Mops condylurus	Molossidae	Hibecovirus	Africa
Mops condylurus	Molossidae	Nobecovirus	Africa
Eidolon helvum	Pteropodidae	Nobecovirus	Africa
Epomophorus gambianus	Pteropodidae	Nobecovirus	Africa
Epomops franqueti	Pteropodidae	Nobecovirus	Africa
Megaloglossus woermanni	Pteropodidae	Nobecovirus	Africa



Micropteropus pusillus	Pteropodidae	Nobecovirus	Africa
Myonycteris torquata	Pteropodidae	Nobecovirus	Africa
Rousettus aegyptiacus	Pteropodidae	Nobecovirus	Africa
Rhinolophus cf. alcyone	Rhinolophidae	Rhinacovirus	Africa
Scotophilus dinganii	Vespertilionidae	Nobecovirus	Africa
Scotophilus leucogaster	Vespertilionidae	Nobecovirus	Africa
Hipposideros caffer	Hipposideridae	Hibecovirus	Africa
Hipposideros ruber	Hipposideridae	Sarbecovirus	Africa
Eidolon helvum	Pteropodidae	Nobecovirus	Africa
Epomophorus labiatus	Pteropodidae	Nobecovirus	Africa
Myonycteris angolensis	Pteropodidae	Nobecovirus	Africa
Rousettus aegyptiacus	Pteropodidae	Nobecovirus	Africa
Rhinolophus clivosus	Rhinolophidae	Sarbecovirus	Africa
Rhinolophus clivosus	Rhinolophidae	Hibecovirus	Africa
Rousettus leschenaultii	Pteropodidae	Nobecovirus	Asia
Eonycteris spelaea	Pteropodidae	Nobecovirus	Asia
Eonycteris spelaea	Pteropodidae	Nobecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Europe
Hipposideros cf. ruber	Hipposideridae	Duvinacovirus	Africa
Hipposideros cf. ruber	Hipposideridae	Hibecovirus	Africa
Aselliscus stoliczkanus	Hipposideridae	Rhinacovirus	Asia
Hipposideros curtus	Hipposideridae	Duvinacovirus	Africa
Hipposideros gigas	Hipposideridae	Hibecovirus	Africa
Hipposideros larvatus	Hipposideridae	Nobecovirus	Asia
Hipposideros ruber	Hipposideridae	Nobecovirus	Africa
Miniopterus schreibersii	Miniopteridae	Sarbecovirus	Asia
Chaerephon pumilus	Molossidae	Nobecovirus	Africa
Acerodon celebensis	Pteropodidae	Nobecovirus	Africa
Cynopterus horsfieldii	Pteropodidae	Nobecovirus	Asia
Cynopterus sphinx	Pteropodidae	Nobecovirus	Asia
Epomops buettikoferi	Pteropodidae	Nobecovirus	Africa
Megaerops ecaudatus	Pteropodidae	Nobecovirus	Asia
Myonycteris angolensis	Pteropodidae	Hibecovirus	Africa
Myonycteris torquata	Pteropodidae	Nobecovirus	Africa
Pteropus conspicillatus	Pteropodidae	Nobecovirus	Asia
Pteropus lylei	Pteropodidae	Nobecovirus	Asia
Rhinolophus affinis	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus affinis	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Nobecovirus	Asia
Rhinolophus thomasi	Rhinolophidae	Rhinacovirus	Asia
Rhinopoma hardwickii	Rhinopomatidae	Nobecovirus	Africa, Asia
Rhinopoma hardwickii	Rhinopomatidae	Sarbecovirus	Africa, Asia
Glauconycteris variegata	Vespertilionidae	Nobecovirus	Africa
Myotis siligorensis	Vespertilionidae	Rhinacovirus	Asia
Neoromicia somalica	Vespertilionidae	Nobecovirus	Africa
Hipposideros commersoni	Hipposideridae	Hibecovirus	Africa
Eidolon dupreanum	Pteropodidae	Nobecovirus	Africa
Pteropus rufus	Pteropodidae	Nobecovirus	Africa
Pipistrellus pipistrellus	Vespertilionidae	Merbecovirus	Europe
Rhinolophus hipposideros	Rhinolophidae	Sarbecovirus	Europe
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Europe
Plecotus auritus	Vespertilionidae	Merbecovirus	Europe

Rousettus aegyptiacus	Pteropodidae	Nobecovirus	Asia, Africa
Rhinolophus ferrumequinum	Rhinolophidae	Nobecovirus	Asia
Pipistrellus deserti	Vespertilionidae	Nobecovirus	Africa
Pteropus alecto	Pteropodidae	Nobecovirus	Asia, Oceania
Rhinonictes aurantia	Rhinonycteridae	Hibecovirus	Oceania
Rhinolophus cornutus	Rhinolophidae	Sarbecovirus	Asia
Macroglossus minimus	Pteropodidae	Nobecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Merbecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus macrotis	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus pearsonii	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Pipistrellus abramus	Vespertilionidae	Merbecovirus	Asia
Pipistrellus pipistrellus	Vespertilionidae	Merbecovirus	Asia
Tylonycteris pachypus	Vespertilionidae	Merbecovirus	Asia
Hipposideros vittatus	Hipposideridae	Duvinacovirus	Africa
Eidolon helvum	Pteropodidae	Nobecovirus	Africa
Epomophorus labiatus	Pteropodidae	Nobecovirus	Africa
Rousettus aegyptiacus	Pteropodidae	Nobecovirus	Africa
Rhinolophus hildebrandtii	Rhinolophidae	Sarbecovirus	Africa
Triadenops afer	Rhinonycteridae	Setracovirus	Africa
Cynopterus sphinx	Pteropodidae	Nobecovirus	Asia
Eonycteris spelaea	Pteropodidae	Nobecovirus	Asia
Rhinolophus affinis	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus malayanus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus marshalli	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Sarbecovirus	Asia
Hipposideros commersoni	Hipposideridae	Nobecovirus	Africa
Chaerephon pumilus	Molossidae	Duvinacovirus	Africa
Eidolon helvum	Pteropodidae	Nobecovirus	Africa
Rousettus aegyptiacus	Pteropodidae	Nobecovirus	Africa
Emballonura alecto	Emballonuridae	Nobecovirus	Asia
Cynopterus brachyotis	Pteropodidae	Nobecovirus	Asia
Macroglossus minimus	Pteropodidae	Nobecovirus	Asia
Ptenochirus jagori	Pteropodidae	Nobecovirus	Asia
Rousettus amplexicaudatus	Pteropodidae	Nobecovirus	Asia
Rhinolophus rufus	Rhinolophidae	Nobecovirus	Asia
Chaerephon plicatus	Molossidae	Merbecovirus	Asia
Hipposideros larvatus	Hipposideridae	Sarbecovirus	Asia
Hipposideros lekaguli	Hipposideridae	Nobecovirus	Asia
Cynopterus sphinx	Pteropodidae	Nobecovirus	Asia
Rhinolophus shameli	Rhinolophidae	Rhinacovirus	Asia
Scotophilus heathii	Vespertilionidae	Nobecovirus	Asia
Scotophilus kuhlii	Vespertilionidae	Nobecovirus	Asia
Pteropus lylei	Pteropodidae	Nobecovirus	Asia
Rhinolophus acuminatus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus affinis	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus affinis	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus macrotis	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus macrotis	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Sarbecovirus	Asia

Rhinolophus pusillus	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus shameli	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Hipposideros caffer	Hipposideridae	Duvinacovirus	Africa
Hipposideros caffer	Hipposideridae	Sarbecovirus	Africa
Eidolon helvum	Pteropodidae	Nobecovirus	Africa
Rousettus aegyptiacus	Pteropodidae	Nobecovirus	Africa
Cynopterus brachyotis	Pteropodidae	Nobecovirus	Asia
Eonycteris spelaea	Pteropodidae	Nobecovirus	Asia
Ptenochirus jagori	Pteropodidae	Nobecovirus	Asia
Rousettus amplexicaudatus	Pteropodidae	Nobecovirus	Asia
Rhinolophus cf. clivosus	Rhinolophidae	Sarbecovirus	Africa
Rhinolophus sinicus	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Pipistrellus abramus	Vespertilionidae	Merbecovirus	Asia
Tylonycteris pachypus	Vespertilionidae	Merbecovirus	Asia
Rousettus leschenaultii	Pteropodidae	Nobecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Hipposideros pratti	Hipposideridae	Hibecovirus	Asia
Chaerephon plicatus	Molossidae	Sarbecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Pipistrellus abramus	Vespertilionidae	Merbecovirus	Asia
Tylonycteris pachypus	Vespertilionidae	Merbecovirus	Asia
Vespertilio superans	Vespertilionidae	Merbecovirus	Asia
Hipposideros armiger	Hipposideridae	Rhinacovirus	Asia
Hipposideros armiger	Hipposideridae	Merbecovirus	Asia
Hipposideros larvatus	Hipposideridae	Rhinacovirus	Asia
Hipposideros pomona	Hipposideridae	Rhinacovirus	Asia
Eonycteris spelaea	Pteropodidae	Nobecovirus	Asia
Rousettus leschenaultii	Pteropodidae	Nobecovirus	Asia
Rousettus leschenaultii	Pteropodidae	Merbecovirus	Asia
Rhinolophus affinis	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus affinis	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus malayanus	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus pearsonii	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Myotis ricketti	Vespertilionidae	Rhinacovirus	Asia
Myotis ricketti	Vespertilionidae	Merbecovirus	Asia
Myotis siligorensis	Vespertilionidae	Merbecovirus	Asia
Pipistrellus abramus	Vespertilionidae	Merbecovirus	Asia
Tylonycteris pachypus	Vespertilionidae	Rhinacovirus	Asia
Tylonycteris pachypus	Vespertilionidae	Merbecovirus	Asia
Tylonycteris robustula	Vespertilionidae	Rhinacovirus	Asia
Hipposideros cineraceus	Hipposideridae	Rhinacovirus	Asia
Cynopterus sphinx	Pteropodidae	Nobecovirus	Asia
Megaerops kusnotoi	Pteropodidae	Nobecovirus	Asia
Rousettus leschenaultii	Pteropodidae	Nobecovirus	Asia

Rhinolophus ferrumequinum	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Myotis daubentonii	Vespertilionidae	Merbecovirus	Asia
Pteropus medius	Pteropodidae	Nobecovirus	Asia
Chaerephon plicatus	Molossidae	Sarbecovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Sarbecovirus	Asia
Vespertilio superans	Vespertilionidae	Merbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus affinis	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus rex	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Rhinacovirus	Asia
Rhinolophus malayanus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus affinis	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus malayanus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus pusillus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus sinicus	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus steno	Rhinolophidae	Sarbecovirus	Asia
Rhinolophus steno	Rhinolophidae	Rhinacovirus	Asia
Myotis laniger	Vespertilionidae	Rhinacovirus	Asia

**Country**

Russia

Russia

Indonesia

Ghana

Germany, Romania, Ukraine

Netherlands, Germany, Romania

Germany, Romania, Ukraine

Mexico

Bangladesh

Uganda

Cameroon, Gabon, Democratic Republic of (

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China, Laos  
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Bangladesh, China, Lao PDR, Malaysia, Mye  
Cameroon, DR Congo, Guinea, Liberia, Rep  
Cameroon, China, Jordan, Liberia, Malaysia,  
Cameroon, DR Congo, Ethiopia, Guinea, Ivo  
Indonesia  
Lao PDR, Malaysia, Thailand, Vietnam  
Bangladesh, Cambodia, China, Lao PDR, M  
Ghana, Guinea, Ivory Coast, Sierra Leone  
Malaysia  
Cameroon, Ghana, Guinea, Ivory Coast, Lib  
Cameroon, DR Congo, Gabon, Republic of C  
Indonesia  
Cambodia, Thailand, Vietnam  
Cambodia, China, Laos, Malaysia  
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Jordan, Ethiopia  
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DR Congo, Guinea, South Sudan  
China, Laos  
Guinea, Ivory Coast, Sierra Leone  
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<b>Bat species</b>	<b>Bat family</b>	<b>Continent</b>	<b>Country</b>
Rhinolophus ferrumequinum	Rhinolophidae	Europe	Russia
Rhinolophus hipposideros	Rhinolophidae	Europe	Russia
Desmodus rotundus	Phyllostomidae	America	Brazil
Dobsonia moluccensis	Pteropodidae	Asia	Indonesia
Nycteris cf. gambiensis	Nycteridae	Africa	Ghana
Pipistrellus nathusii	Vespertilionidae	Europe	Germany, Roman
Pipistrellus pipistrellus	Vespertilionidae	Europe	Netherlands, Gerr
Pipistrellus pygmaeus	Vespertilionidae	Europe	Germany, Roman
Nyctinomops laticaudatus	Molossidae	America	Mexico
Tadarida brasiliensis	Molossidae	America	Mexico
Pteronotus parnellii	Mormoopidae	America	Mexico
Artibeus jamaicensis	Phyllostomidae	America	Mexico
Artibeus lituratus	Phyllostomidae	America	Mexico
Artibeus phaeotis	Phyllostomidae	America	Mexico
Carollia perspicillata	Phyllostomidae	America	Mexico
Carollia sowelli	Phyllostomidae	America	Mexico
Lonchorhina aurita	Phyllostomidae	America	Mexico
Eptesicus fuscus	Vespertilionidae	America	Mexico
Myotis velifer	Vespertilionidae	America	Mexico
Pteropus medius	Pteropodidae	Asia	Bangladesh
Pipistrellus cf. hesperidus	Vespertilionidae	Africa	Uganda
Taphozous melanopogon	Emballonuridae	Africa, America, A	Cameroon, Gabon
Hipposideros armiger	Hipposideridae	Africa, America, A	Cameroon, Gabon
Hipposideros bicolor	Hipposideridae	Africa, America, A	Cameroon, Gabon
Hipposideros galeritus	Hipposideridae	Africa, America, A	Cameroon, Gabon
Hipposideros pratti	Hipposideridae	Africa, America, A	Cameroon, Gabon
Miniopterus fuliginosus	Miniopteridae	Africa, America, A	Cameroon, Gabon
Miniopterus inflatus	Miniopteridae	Africa, America, A	Cameroon, Gabon
Nyctinomops laticaudatus	Molossidae	Africa, America, A	Cameroon, Gabon
Tadarida brasiliensis	Molossidae	Africa, America, A	Cameroon, Gabon
Pteronotus parnellii	Mormoopidae	Africa, America, A	Cameroon, Gabon
Pteronotus personatus	Mormoopidae	Africa, America, A	Cameroon, Gabon
Artibeus jamaicensis	Phyllostomidae	Africa, America, A	Cameroon, Gabon
Artibeus lituratus	Phyllostomidae	Africa, America, A	Cameroon, Gabon
Artibeus phaeotis	Phyllostomidae	Africa, America, A	Cameroon, Gabon
Carollia perspicillata	Phyllostomidae	Africa, America, A	Cameroon, Gabon
Carollia sowelli	Phyllostomidae	Africa, America, A	Cameroon, Gabon
Glossophaga soricina	Phyllostomidae	Africa, America, A	Cameroon, Gabon
Lonchorhina aurita	Phyllostomidae	Africa, America, A	Cameroon, Gabon
Sturnira lilium	Phyllostomidae	Africa, America, A	Cameroon, Gabon
Dyacopterus spadiceus	Pteropodidae	Africa, America, A	Cameroon, Gabon
Megaerops niphanae	Pteropodidae	Africa, America, A	Cameroon, Gabon
Pteropus alecto	Pteropodidae	Africa, America, A	Cameroon, Gabon



Rousettus amplexicaudatus	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Rhinolophus clivosus	Rhinolophidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Rhinolophus rex	Rhinolophidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Rhinolophus shameli	Rhinolophidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Triadenops afer	Rhinonycteridae	Africa, America, <sup>A</sup> Cameroon, Gabon
Triadenops persicus	Rhinonycteridae	Africa, America, <sup>A</sup> Cameroon, Gabon
Bauerus dubiaquercus	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon
la io	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Myotis californicus	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Myotis longipes	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Myotis myotis	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Myotis velifer	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Nyctalus plancyi	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Pipistrellus pipistrellus	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Scotophilus dinganii	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Scotophilus leucogaster	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Vespertilio superans	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Hipposideros caffer	Hipposideridae	Africa, America, <sup>A</sup> Cameroon, Gabon
Hipposideros diadema	Hipposideridae	Africa, America, <sup>A</sup> Cameroon, Gabon
Hipposideros gigas	Hipposideridae	Africa, America, <sup>A</sup> Cameroon, Gabon
Hipposideros larvatus	Hipposideridae	Africa, America, <sup>A</sup> Cameroon, Gabon
Hipposideros lekaguli	Hipposideridae	Africa, America, <sup>A</sup> Cameroon, Gabon
Hipposideros ruber	Hipposideridae	Africa, America, <sup>A</sup> Cameroon, Gabon
Megaderma lyra	Megadermatidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Miniopterus magnater	Miniopteridae	Africa, America, <sup>A</sup> Cameroon, Gabon
Chaerephon pumilus	Molossidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Mops condylurus	Molossidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Anoura caudifer	Phyllostomidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Artibeus obscurus	Phyllostomidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Artibeus planirostris	Phyllostomidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Mesophylla macconnelli	Phyllostomidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Sturnira erythromis	Phyllostomidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Cynopterus brachyotis	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Cynopterus horsfieldii	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Cynopterus sphinx	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Eidolon helvum	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Eonycteris spelaea	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Epomophorus gambianus	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Epomops franqueti	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Megaloglossus woermanni	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Micropteropus pusillus	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Myonycteris angolensis	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Pteropus giganteus	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Rousettus aegyptiacus	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Rousettus leschenaultii	Pteropodidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Rhinolophus affinis	Rhinolophidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Rhinolophus creaghi	Rhinolophidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Rhinolophus ferrumequinum	Rhinolophidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Rhinolophus sinicus	Rhinolophidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Myotis daubentonii	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Myotis horsfieldii	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon
Myotis ricketti	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon

Pipistrellus coromandra	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon	
Pipistrellus hesperidus	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon	
Scotophilus kuhlii	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon	
Scotophilus nux	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon	
Tylonycteris pachypus	Vespertilionidae	Africa, America, <sup>A</sup> Cameroon, Gabon	
Hipposideros armiger	Hipposideridae	Asia	Thailand
Hipposideros larvatus	Hipposideridae	Asia	Thailand
Miniopterus schreibersii	Miniopteridae	Europe	France, Spain
Tadarida teniotis	Molossidae	Europe	Spain
Rhinolophus euryale	Rhinolophidae	Africa	Morocco
Rhinolophus ferrumequinum	Rhinolophidae	Europe	France, Spain
Eptesicus serotinus	Vespertilionidae	Europe	France
Myotis capaccinii	Vespertilionidae	Europe	Spain
Myotis daubentonii	Vespertilionidae	Europe	France
Myotis myotis	Vespertilionidae	Europe	Spain
Myotis nattereri	Vespertilionidae	Europe	France
Myotis punicus	Vespertilionidae	Africa	Morocco, Tunisia
Cynomops abrasus	Molossidae	America	Brazil
Cynomops planirostris	Molossidae	America	Brazil
Desmodus rotundus	Phyllostomidae	America	Brazil
Glossophaga soricina	Phyllostomidae	America	Brazil
Myotis daubentonii	Vespertilionidae	Europe	UK
Myotis nattereri	Vespertilionidae	Europe	UK
Rhinolophus ferrumequinum	Rhinolophidae	Europe	Italy
Rhinolophus ferrumequinum	Rhinolophidae	Europe	Italy
Desmodus rotundus	Phyllostomidae	America	Peru
Desmodus rotundus	Phyllostomidae	America	Peru
Scotophilus kuhlii	Vespertilionidae	Asia	Vietnam
Molossus molossus	Molossidae	America	Brazil
Molossus rufus	Molossidae	America	Brazil
Artibeus lituratus	Phyllostomidae	America	Brazil
Glossophaga soricina	Phyllostomidae	America	Brazil
Phyllostomus discolor	Phyllostomidae	America	Brazil
Hipposideros cf. caffer	Hipposideridae	Africa	Zimbabwe
Desmodus rotundus	Phyllostomidae	America	Brazil
Carollia perspicillata	Phyllostomidae	America	Trinidad
Glossophaga soricina	Phyllostomidae	America	Trinidad
Hipposideros armiger	Hipposideridae	Asia	Taiwan
Miniopterus fuliginosus	Miniopteridae	Asia	Taiwan
Rhinolophus monoceros	Rhinolophidae	Asia	Taiwan
Kerivoula titania	Vespertilionidae	Asia	Taiwan
Murina recondita	Vespertilionidae	Asia	Taiwan
Myotis fimbriatus	Vespertilionidae	Asia	Taiwan
Myotis flavus	Vespertilionidae	Asia	Taiwan
Plecotus taivanus	Vespertilionidae	Asia	Taiwan
Scotophilus kuhlii	Vespertilionidae	Asia	Taiwan
Submyotodon latirostris	Vespertilionidae	Asia	Taiwan
Rhinolophus monoceros	Rhinolophidae	Asia	Taiwan
Scotophilus kuhlii	Vespertilionidae	Asia	Taiwan
Miniopterus magnater	Miniopteridae	Asia	China
Miniopterus pusillus	Miniopteridae	Asia	China
Miniopterus magnater	Miniopteridae	Asia	China
Miniopterus pusillus	Miniopteridae	Asia	China
Tadarida brasiliensis	Molossidae	America	Brazil
Molossus currentium	Molossidae	America	Brazil, Costa Rica

Molossus rufus	Molossidae	America	Brazil, Costa Rica
Pteronotus parnellii	Mormoopidae	America	Costa Rica
Anoura geoffroyi	Phyllostomidae	America	Brazil, Costa Rica
Artibeus jamaicensis	Phyllostomidae	America	Brazil, Costa Rica
Artibeus lituratus	Phyllostomidae	America	Brazil, Costa Rica
Carollia brevicauda	Phyllostomidae	America	Brazil, Costa Rica
Carollia perspicillata	Phyllostomidae	America	Brazil, Costa Rica
Phyllostomus discolor	Phyllostomidae	America	Brazil, Costa Rica
Neoromicia capensis	Vespertilionidae	Africa	South Africa
Hipposideros abae	Hipposideridae	Africa	Ghana
Hipposideros cf. ruber	Hipposideridae	Africa	Ghana
Rhinolophus hipposideros	Rhinolophidae	Europe	UK
Myotis lucifugus	Vespertilionidae	America	Canada
Eptesicus serotinus	Vespertilionidae	Europe	Italy
Myotis blythii	Vespertilionidae	Europe	Italy
Pipistrellus kuhlii	Vespertilionidae	Europe	Italy
Cynopterus brachyotis	Pteropodidae	Asia	Indonesia
Macroglossus minimus	Pteropodidae	Asia	Indonesia
Rousettus amplexicaudatus	Pteropodidae	Asia	Indonesia
Eptesicus fuscus	Vespertilionidae	America	USA
Myotis occultus	Vespertilionidae	America	USA
Eptesicus fuscus	Vespertilionidae	America	USA
Miniopterus schreibersii	Miniopteridae	Europe	Bulgaria
Rhinolophus blasii	Rhinolophidae	Europe	Bulgaria
Rhinolophus euryale	Rhinolophidae	Europe	Bulgaria
Rhinolophus ferrumequinum	Rhinolophidae	Europe	Bulgaria
Rhinolophus mehelyi	Rhinolophidae	Europe	Bulgaria
Nyctalus leisleri	Vespertilionidae	Europe	Bulgaria
Myotis myotis	Vespertilionidae	Europe	Germany
Miniopterus fuliginosus	Miniopteridae	Asia	China
Miniopterus schreibersii	Miniopteridae	Europe	Spain
Eptesicus isabellinus	Vespertilionidae	Europe	Spain
Hypsugo savii	Vespertilionidae	Europe	Spain
Myotis blythii	Vespertilionidae	Europe	Spain
Myotis daubentonii	Vespertilionidae	Europe	Spain
Myotis myotis	Vespertilionidae	Europe	Spain
Nyctalus lasiopterus	Vespertilionidae	Europe	Spain
Pipistrellus kuhlii	Vespertilionidae	Europe	Spain
Pteropus alecto	Pteropodidae	Asia	Indonesia
Myotis bechsteinii	Vespertilionidae	Europe	Germany
Myotis nattereri	Vespertilionidae	Europe	Germany
Pipistrellus nathusii	Vespertilionidae	Europe	Germany
Pipistrellus pygmaeus	Vespertilionidae	Europe	Germany
Hipposideros armiger	Hipposideridae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Hipposideros pomona	Hipposideridae	Asia	China
Miniopterus fuliginosus	Miniopteridae	Asia	China
Miniopterus fuscus	Miniopteridae	Asia	China
Miniopterus schreibersii	Miniopteridae	Asia	China
Rhinolophus affinis	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Miniopterus natalensis	Miniopteridae	Africa	South Africa
Mops midas	Molossidae	Africa	South Africa
Neoromicia capensis	Vespertilionidae	Africa	South Africa
Neoromicia capensis	Vespertilionidae	Africa	South Africa

Myotis bechsteinii	Vespertilionidae	Europe	Germany
Myotis dasycneme	Vespertilionidae	Europe	Germany
Myotis daubentonii	Vespertilionidae	Europe	Germany
Pipistrellus nathusii	Vespertilionidae	Europe	Germany
Pipistrellus pygmaeus	Vespertilionidae	Europe	Germany
Molossus molossus	Molossidae	America	Brazil, Mexico
Molossus rufus	Molossidae	America	Brazil, Mexico
Pteronotus davyi	Mormoopidae	America	Mexico
Eumops glaucinus	Molossidae	America	Brazil
Molossus rufus	Molossidae	America	Brazil
Artibeus lituratus	Phyllostomidae	America	Brazil
Carollia perspicillata	Phyllostomidae	America	Brazil
Glossophaga soricina	Phyllostomidae	America	Brazil
Sturnira lilium	Phyllostomidae	America	Brazil
Myotis nigricans	Vespertilionidae	America	Brazil
Myotis riparius	Vespertilionidae	America	Brazil
Pipistrellus pipistrellus	Vespertilionidae	Europe	France
Rhinolophus affinis	Rhinolophidae	Asia	China
Rhinolophus steno	Rhinolophidae	Asia	China
Mystacina tuberculata	Mystacinidae	Oceania	New Zealand
Eptesicus fuscus	Vespertilionidae	America	USA
Rhinolophus pusillus	Rhinolophidae	Asia	China
Eptesicus serotinus	Vespertilionidae	Asia	China
Myotis fimbriatus	Vespertilionidae	Asia	China
Myotis pequinius	Vespertilionidae	Asia	China
Myotis ricketti	Vespertilionidae	Asia	China
Cynopterus sphinx	Pteropodidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Scotophilus kuhlii	Vespertilionidae	Asia	China
Myotis myotis	Vespertilionidae	Europe	Switzerland
Nyctalus noctula	Vespertilionidae	Europe	Switzerland
Pipistrellus pipistrellus	Vespertilionidae	Europe	Switzerland
Vespertilio murinus	Vespertilionidae	Europe	Switzerland
Aselliscus stoliczkanus	Hipposideridae	Asia	China
Rhinolophus affinis	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	Rhinolophidae	Asia	China
Rhinolophus pusillus	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Rousettus leschenaultii	Pteropodidae	Asia	China
Rhinolophus shameli	Rhinolophidae	Asia	Cambodia
Perimyotis subflavus	Vespertilionidae	America	USA
Neoromicia cf. zuluensis	Vespertilionidae	Africa	South Africa
Myotis macropus	Vespertilionidae	Oceania	Australia
Hipposideros caffer	Hipposideridae	Africa	Mozambique
Miniopterus mossambicus	Miniopteridae	Africa	Mozambique
Chaerephon pumilus	Molossidae	Africa	Mayotte
Mops condylurus	Molossidae	Africa	Mozambique
Mops midas	Molossidae	Africa	Madagascar
Mormopterus francoismoutoui	Molossidae	Africa	Reunion
Mormopterus jugularis	Molossidae	Africa	Madagascar
Nycteris thebaica	Nycteridae	Africa	Mozambique
Rousettus madagascariensis	Pteropodidae	Africa	Madagascar
Rhinolophus lobatus	Rhinolophidae	Africa	Mozambique

Rhinolophus rhodesiae	Rhinolophidae	Africa	Mozambique
Triaenops afer	Rhinonycteridae	Africa	Mozambique
Triaenops menamena	Rhinonycteridae	Africa	Madagascar
Rhinolophus euryale	Rhinolophidae	Europe	Hungary
Rhinolophus ferrumequinum	Rhinolophidae	Europe	Hungary
Rhinolophus hipposideros	Rhinolophidae	Europe	Hungary
Myotis daubentonii	Vespertilionidae	Europe	Hungary
Myotis myotis	Vespertilionidae	Europe	Hungary
Myotis nattereri	Vespertilionidae	Europe	Hungary
Pipistrellus pygmaeus	Vespertilionidae	Europe	Hungary
Hipposideros ruber	Hipposideridae	Africa	Nigeria
Epomophorus gambianus	Pteropodidae	Africa	Nigeria
Miniopterus schreibersii	Miniopteridae	Asia	South Korea
Rhinolophus ferrumequinum	Rhinolophidae	Asia	South Korea
Eptesicus nilssonii	Vespertilionidae	Europe	Finland
Myotis brandtii	Vespertilionidae	Europe	Finland
Myotis daubentonii	Vespertilionidae	Europe	Finland
Pipistrellus pipistrellus	Vespertilionidae	Europe	Germany
Pteropus medius	Pteropodidae	Asia	Sri Lanka
Hipposideros caffer	Hipposideridae	Africa	Democratic Repu
Hipposideros gigas	Hipposideridae	Africa	Democratic Repu
Hipposideros ruber	Hipposideridae	Africa	Democratic Repu
Miniopterus inflatus	Miniopteridae	Africa	Democratic Repu
Chaerephon pumilus	Molossidae	Africa	Democratic Repu
Mops condylurus	Molossidae	Africa	Democratic Repu
Eidolon helvum	Pteropodidae	Africa	Democratic Repu
Epomops franqueti	Pteropodidae	Africa	Democratic Repu
Megaloglossus woermanni	Pteropodidae	Africa	Democratic Repu
Micropteropus pusillus	Pteropodidae	Africa	Democratic Repu
Triaenops afer	Rhinonycteridae	Africa	Democratic Repu
Triaenops persicus	Rhinonycteridae	Africa	Democratic Repu
Scotophilus dinganii	Vespertilionidae	Africa	Democratic Repu
Hipposideros larvatus	Hipposideridae	Asia	Laos, Cambodia
Cynopterus sphinx	Pteropodidae	Asia	Laos, Cambodia
Eonycteris spelaea	Pteropodidae	Asia	Laos, Cambodia
Megaerops niphanae	Pteropodidae	Asia	Laos, Cambodia
Rousettus amplexicaudatus	Pteropodidae	Asia	Laos, Cambodia
Rousettus leschenaultii	Pteropodidae	Asia	Laos, Cambodia
Rhinolophus shameli	Rhinolophidae	Asia	Laos, Cambodia
Myotis horsfieldii	Vespertilionidae	Asia	Laos, Cambodia
Pipistrellus coromandra	Vespertilionidae	Asia	Laos, Cambodia
Scotophilus kuhlii	Vespertilionidae	Asia	Laos, Cambodia
Hipposideros ruber	Hipposideridae	Africa	Guinea
Nycteris macrotis	Nycteridae	Africa	Guinea
Eidolon helvum	Pteropodidae	Africa	Guinea
Epomophorus gambianus	Pteropodidae	Africa	Guinea
Lissonycteris angolensis	Pteropodidae	Africa	Guinea
Nanonycteris veldkampii	Pteropodidae	Africa	Guinea
Rousettus aegyptiacus	Pteropodidae	Africa	Guinea
Rhinolophus darlingi	Rhinolophidae	Africa	Guinea
Aselliscus stoliczkanus	Hipposideridae	Asia	China
Hipposideros armiger	Hipposideridae	Asia	China
Hipposideros pomona	Hipposideridae	Asia	China
Hipposideros pratti	Hipposideridae	Asia	China
Miniopterus fuscus	Miniopteridae	Asia	China

Miniopterus pusillus	Miniopteridae	Asia	China
Miniopterus schreibersii	Miniopteridae	Asia	China
Cynopterus sphinx	Pteropodidae	Asia	China
Eonycteris spelaea	Pteropodidae	Asia	China
Rhinolophus affinis	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	Rhinolophidae	Asia	China
Rhinolophus macrotis	Rhinolophidae	Asia	China
Rhinolophus pusillus	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Ia io	Vespertilionidae	Asia	China
Myotis chinensis	Vespertilionidae	Asia	China
Myotis horsfieldii	Vespertilionidae	Asia	China
Myotis ricketti	Vespertilionidae	Asia	China
Pipistrellus abramus	Vespertilionidae	Asia	China
Scotophilus kuhlii	Vespertilionidae	Asia	China
Tylonycteris pachypus	Vespertilionidae	Asia	China
Vespertilio sinensis	Vespertilionidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Rousettus leschenaultii	Pteropodidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Hipposideros pomona	Hipposideridae	Asia	China
Rousettus leschenaultii	Pteropodidae	Asia	China
Pipistrellus abramus	Vespertilionidae	Asia	China
Tylonycteris pachypus	Vespertilionidae	Asia	China
Hipposideros pomona	Hipposideridae	Asia	China
Rousettus leschenaultii	Pteropodidae	Asia	China
Rhinolophus ferrumequinum	Rhinolophidae	Asia	China
Rhinolophus steno	Rhinolophidae	Asia	China
Myotis daubentonii	Vespertilionidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Hypsugo pulveratus	Vespertilionidae	Asia	China
Pipistrellus abramus	Vespertilionidae	Asia	China
Tylonycteris pachypus	Vespertilionidae	Asia	China
Tylonycteris robustula	Vespertilionidae	Asia	China
Rousettus leschenaultii	Pteropodidae	Asia	China
Rhinolophus ferrumequinum	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Hypsugo pulveratus	Vespertilionidae	Asia	China
Pipistrellus abramus	Vespertilionidae	Asia	China
Tylonycteris pachypus	Vespertilionidae	Asia	China
Tylonycteris pachypus	Vespertilionidae	Asia	China
Eptesicus serotinus	Vespertilionidae	Europe	Denmark
Myotis dasycneme	Vespertilionidae	Europe	Denmark
Myotis daubentonii	Vespertilionidae	Europe	Denmark
Myotis nattereri	Vespertilionidae	Europe	Denmark
Pipistrellus pygmaeus	Vespertilionidae	Europe	Denmark
Myotis dasycneme	Vespertilionidae	Europe	Denmark
Myotis daubentonii	Vespertilionidae	Europe	Denmark
Pipistrellus pygmaeus	Vespertilionidae	Europe	Denmark
Tadarida teniotis	Molossidae	Europe	Italy
Rhinolophus ferrumequinum	Rhinolophidae	Europe	Italy
Plecotus auritus	Vespertilionidae	Europe	Italy
Rhinolophus ferrumequinum	Rhinolophidae	Asia	South Korea
Eptesicus serotinus	Vespertilionidae	Asia	South Korea

Pipistrellus abramus	Vespertilionidae	Asia	South Korea
Vespertilio sinensis	Vespertilionidae	Asia	South Korea
Miniopterus fuliginosus	Miniopteridae	Asia	South Korea
Miniopterus schreibersii	Miniopteridae	Asia	South Korea
Rhinolophus ferrumequinum	Rhinolophidae	Asia	South Korea
Eptesicus serotinus	Vespertilionidae	Asia	South Korea
Hypsugo alaschanicus	Vespertilionidae	Asia	South Korea
Myotis aurascens	Vespertilionidae	Asia	South Korea
Myotis ikonnikovi	Vespertilionidae	Asia	South Korea
Myotis macrodactylus	Vespertilionidae	Asia	South Korea
Myotis petax	Vespertilionidae	Asia	South Korea
Pipistrellus abramus	Vespertilionidae	Asia	South Korea
Vespertilio sinensis	Vespertilionidae	Asia	South Korea
Rhinolophus hipposideros	Rhinolophidae	Europe	Italy
Hypsugo savii	Vespertilionidae	Europe	Italy
Nyctalus noctula	Vespertilionidae	Europe	Italy
Pipistrellus kuhlii	Vespertilionidae	Europe	Italy
Eidolon helvum	Pteropodidae	Africa	Nigeria
Pipistrellus kuhlii	Vespertilionidae	Europe	Italy
Rhinolophus ferrumequinum	Rhinolophidae	Asia	China
Rhinolophus macrotis	Rhinolophidae	Asia	China
Rhinolophus pearsonii	Rhinolophidae	Asia	China
Rhinolophus pusillus	Rhinolophidae	Asia	China
Corynorhinus townsendii	Vespertilionidae	America	USA
Miniopterus schreibersii	Miniopteridae	Asia	China
Rhinolophus pusillus	Rhinolophidae	Asia	China
Myotis ricketti	Vespertilionidae	Asia	China
Tylonycteris pachypus	Vespertilionidae	Asia	China
Cynopterus brachyotis	Pteropodidae	Asia	Singapore
Molossus molossus	Molossidae	America	Brazil
Tadarida brasiliensis	Molossidae	America	Brazil
Hipposideros armiger	Hipposideridae	Asia	China
Miniopterus schreibersii	Miniopteridae	Asia	China
Rhinolophus ferrumequinum	Rhinolophidae	Asia	China
Rhinolophus macrotis	Rhinolophidae	Asia	China
Rhinolophus monoceros	Rhinolophidae	Asia	China
Rhinolophus pearsonii	Rhinolophidae	Asia	China
Rhinolophus pusillus	Rhinolophidae	Asia	China
Rhinolophus rex	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Rhinolophus thomasi	Rhinolophidae	Asia	China
Murina leucogaster	Vespertilionidae	Asia	China
Myotis davidii	Vespertilionidae	Asia	China
Myotis siligorensis	Vespertilionidae	Asia	China
Miniopterus fuliginosus	Miniopteridae	Asia	South Korea
Miniopterus schreibersii	Miniopteridae	Asia	South Korea
Rhinolophus ferrumequinum	Rhinolophidae	Asia	South Korea
Hypsugo alaschanicus	Vespertilionidae	Asia	South Korea
Myotis bombinus	Vespertilionidae	Asia	South Korea
Myotis macrodactylus	Vespertilionidae	Asia	South Korea
Myotis petax	Vespertilionidae	Asia	South Korea
Ia io	Vespertilionidae	Asia	China
Pipistrellus abramus	Vespertilionidae	Asia	China
Pipistrellus minus	Vespertilionidae	Asia	China
Pipistrellus pipistrellus	Vespertilionidae	Asia	China

Tylonycteris pachypus	Vespertilionidae	Asia	China
Vespertilio superans	Vespertilionidae	Asia	China
Eonycteris spelaea	Pteropodidae	Asia	China
Rousettus leschenaultii	Pteropodidae	Asia	China
Hipposideros cf. ruber	Hipposideridae	Africa	Gabon
Micropteropus pusillus	Pteropodidae	Africa	Central African Republic
Hipposideros cf. ruber	Hipposideridae	Africa	Gabon
Hipposideros gigas	Hipposideridae	Africa	Gabon
Miniopterus inflatus	Miniopteridae	Africa	Gabon
Rhinolophus clivosus	Rhinolophidae	Africa	Rwanda
Taphozous perforatus	Emballonuridae	Asia	Saudi Arabia
Eidolon helvum	Pteropodidae	Asia	Saudi Arabia
Rhinopoma hardwickii	Rhinopomatidae	Asia	Saudi Arabia
Pipistrellus kuhlii	Vespertilionidae	Asia	Saudi Arabia
Eonycteris spelaea	Pteropodidae	Asia	Singapore
Taphozous perforatus	Emballonuridae	Asia	Saudi Arabia
Eidolon helvum	Pteropodidae	Asia	Saudi Arabia
Myotis lucifugus	Vespertilionidae	America	Canada
Miniopterus schreibersii	Miniopteridae	Europe	France
Myotis emarginatus	Vespertilionidae	Europe	France
Myotis nattereri	Vespertilionidae	Europe	France
Pipistrellus pipistrellus	Vespertilionidae	Europe	France
Chaerephon pumilus	Molossidae	Africa	Rwanda, Tanzania
Mops condylurus	Molossidae	Africa	Rwanda, Tanzania
Eidolon helvum	Pteropodidae	Africa	Rwanda, Tanzania
Lissonycteris angolensis	Pteropodidae	Africa	Rwanda, Tanzania
Rousettus aegyptiacus	Pteropodidae	Africa	Rwanda, Tanzania
Rhinolophus cf. clivosus	Rhinolophidae	Africa	Rwanda, Tanzania
Triaenops persicus	Rhinonycteridae	Africa	Rwanda, Tanzania
Pipistrellus cf. hesperidus	Vespertilionidae	Africa	Rwanda, Tanzania
Artibeus jamaicensis	Phyllostomidae	America	Costa Rica
Carollia castanea	Phyllostomidae	America	Costa Rica
Carollia perspicillata	Phyllostomidae	America	Costa Rica
Glossophaga soricina	Phyllostomidae	America	Costa Rica
Hypsugo savii	Vespertilionidae	Europe	Italy
Pipistrellus kuhlii	Vespertilionidae	Europe	Italy
Rhinolophus cornutus	Rhinolophidae	Asia	China
Miniopterus fuliginosus	Miniopteridae	Asia	Sri Lanka
Rousettus leschenaultii	Pteropodidae	Asia	Sri Lanka
Hipposideros caffer	Hipposideridae	Africa	Cameroon
Hipposideros curtus	Hipposideridae	Africa	Cameroon
Hipposideros fuliginosus	Hipposideridae	Africa	Cameroon
Hipposideros ruber	Hipposideridae	Africa	Cameroon
Macronycteris gigas	Hipposideridae	Africa	Cameroon
Mops condylurus	Molossidae	Africa	Cameroon
Eidolon helvum	Pteropodidae	Africa	Cameroon
Epomophorus gambianus	Pteropodidae	Africa	Cameroon
Epomops franqueti	Pteropodidae	Africa	Cameroon
Megaloglossus woermanni	Pteropodidae	Africa	Cameroon
Micropteropus pusillus	Pteropodidae	Africa	Cameroon
Myonycteris torquata	Pteropodidae	Africa	Cameroon
Rousettus aegyptiacus	Pteropodidae	Africa	Cameroon
Rhinolophus cf. alcyone	Rhinolophidae	Africa	Cameroon
Pipistrellus inexpectatus	Vespertilionidae	Africa	Cameroon
Scotophilus dinganii	Vespertilionidae	Africa	Cameroon



Scotophilus leucogaster	Vespertilionidae	Africa	Cameroon
Scotophilus nux	Vespertilionidae	Africa	Cameroon
Hipposideros caffer	Hipposideridae	Africa	Rwanda
Hipposideros ruber	Hipposideridae	Africa	Rwanda
Chaerephon pumilus	Molossidae	Africa	Rwanda
Eidolon helvum	Pteropodidae	Africa	Rwanda
Epomophorus labiatus	Pteropodidae	Africa	Rwanda
Myonycteris angolensis	Pteropodidae	Africa	Rwanda
Rousettus aegyptiacus	Pteropodidae	Africa	Rwanda
Rhinolophus clivosus	Rhinolophidae	Africa	Rwanda
Rousettus leschenaultii	Pteropodidae	Asia	China
Eptesicus fuscus	Vespertilionidae	America	USA
Myotis evotis	Vespertilionidae	America	USA
Myotis lucifugus	Vespertilionidae	America	USA
Myotis volans	Vespertilionidae	America	USA
Eonycteris spelaea	Pteropodidae	Asia	Singapore
Eonycteris spelaea	Pteropodidae	Asia	Singapore
Rhinolophus ferrumequinum	Rhinolophidae	Europe	Luxembourg
Myotis emarginatus	Vespertilionidae	Europe	Luxembourg
Hipposideros cf. ruber	Hipposideridae	Africa	Ghana
Miniopterus magnater	Miniopteridae	Asia	China
Miniopterus pusillus	Miniopteridae	Asia	China
Miniopterus schreibersii	Miniopteridae	Asia	China
Chalinolobus gouldii	Vespertilionidae	Oceania	Australia
Chalinolobus morio	Vespertilionidae	Oceania	Australia
Falsistrellus mackenziei	Vespertilionidae	Oceania	Australia
Nyctophilus geoffroyi	Vespertilionidae	Oceania	Australia
Nyctophilus gouldi	Vespertilionidae	Oceania	Australia
Vespadelus baverstocki	Vespertilionidae	Oceania	Australia
Vespadelus regulus	Vespertilionidae	Oceania	Australia
Aselliscus stoliczkanus	Hipposideridae	Asia	China, Laos
Hipposideros cervinus	Hipposideridae	Asia	Malaysia
Hipposideros curtus	Hipposideridae	Africa	Cameroon
Hipposideros fuliginosus	Hipposideridae	Africa	Cameroon, Liberia
Hipposideros pomona	Hipposideridae	Asia	Cambodia, China
Miniopterus pusillus	Miniopteridae	Asia	China, Thailand
Miniopterus schreibersii	Miniopteridae	Asia	Cameroon, China
Mops midas	Molossidae	Africa	Ethiopia
Otomops martiensseni	Molossidae	Africa	Rwanda
Nycteris tragata	Nycteridae	Asia	Malaysia
Lichonycteris obscura	Phyllostomidae	America	Brazil
Acerodon celebensis	Pteropodidae	Asia	Indonesia
Epomops buettikoferi	Pteropodidae	Africa	Ghana, Guinea, Iv
Megaerops ecaudatus	Pteropodidae	Asia	Malaysia
Myonycteris torquata	Pteropodidae	Africa	Cameroon, DR C
Pteropus conspicillatus	Pteropodidae	Asia	Indonesia
Pteropus lylei	Pteropodidae	Asia	Cambodia, Thaila
Rhinolophus acuminatus	Rhinolophidae	Asia	Malaysia
Rhinolophus affinis	Rhinolophidae	Asia	Cambodia, China
Rhinolophus blasii	Rhinolophidae	Africa, Asia	Liberia, Jordan
Rhinolophus euryale	Rhinolophidae	Asia	Jordan
Rhinolophus lepidus	Rhinolophidae	Asia	Bangladesh, Chin
Rhinolophus mehelyi	Rhinolophidae	Asia	Jordan
Rhinolophus pusillus	Rhinolophidae	Asia	Cambodia, China
Rhinolophus sinicus	Rhinolophidae	Asia	China

Rhinolophus thomasi	Rhinolophidae	Asia	China
Rhinolophus trifolius	Rhinolophidae	Asia	Malaysia
Rhinopoma hardwickii	Rhinopomatidae	Africa, Asia	Jordan, Ethiopia
Glauconycteris poensis	Vespertilionidae	Africa	Cameroon, Guinea
Glauconycteris variegata	Vespertilionidae	Africa	DR Congo, Guinea
Kerivoula hardwickii	Vespertilionidae	Asia	Malaysia
Kerivoula pellucida	Vespertilionidae	Asia	Malaysia
Myotis fimbriatus	Vespertilionidae	Asia	China
Myotis laniger	Vespertilionidae	Asia	China
Myotis pilosus	Vespertilionidae	Asia	China, Lao PDR
Myotis siligorensis	Vespertilionidae	Asia	China, Laos
Myotis welwitschii	Vespertilionidae	Africa	Rwanda, Uganda
Neoromicia somalica	Vespertilionidae	Africa	Guinea, Ivory Coast
Scotophilus heathii	Vespertilionidae	Asia	Bangladesh, China
Hipposideros commersoni	Hipposideridae	Africa	Nigeria
Eidolon dupreanum	Pteropodidae	Africa	Madagascar
Pteropus rufus	Pteropodidae	Africa	Madagascar
Myotis dasycneme	Vespertilionidae	Europe	Netherlands
Myotis daubentonii	Vespertilionidae	Europe	Netherlands
Nyctalus noctula	Vespertilionidae	Europe	Netherlands
Pipistrellus pipistrellus	Vespertilionidae	Europe	Netherlands
Rhinolophus hipposideros	Rhinolophidae	Europe	Slovenia
Rhinolophus ferrumequinum	Rhinolophidae	Europe	Italy
Myotis daubentonii	Vespertilionidae	Europe	Italy
Myotis myotis	Vespertilionidae	Europe	Italy
Myotis nattereri	Vespertilionidae	Europe	Italy
Myotis oxygnathus	Vespertilionidae	Europe	Italy
Pipistrellus kuhlii	Vespertilionidae	Europe	Italy
Pipistrellus pipistrellus	Vespertilionidae	Europe	Italy
Plecotus auritus	Vespertilionidae	Europe	Italy
Hipposideros cervinus	Hipposideridae	Asia	Malaysia
Rhinolophus trifolius	Rhinolophidae	Asia	Malaysia
Rousettus aegyptiacus	Pteropodidae	Asia, Africa	Lebanon, Egypt
Rhinolophus ferrumequinum	Rhinolophidae	Asia	Lebanon
Pipistrellus deserti	Vespertilionidae	Africa	Egypt
Miniopterus fuliginosus	Miniopteridae	Asia	Japan
Miniopterus australis	Miniopteridae	Oceania	Australia
Miniopterus schreibersii	Miniopteridae	Oceania	Australia
Pteropus alecto	Pteropodidae	Asia, Oceania	Australia, Indonesia
Rhinolophus megaphyllus	Rhinolophidae	Oceania	Australia
Rhinonycteris aurantia	Rhinonycteridae	Oceania	Australia
Myotis macropus	Vespertilionidae	Oceania	Australia
Vespadelus pumilus	Vespertilionidae	Oceania	Australia
Scotophilus kuhlii	Vespertilionidae	Asia	Taiwan
Myotis lucifugus	Vespertilionidae	America	Canada
Rhinolophus cornutus	Rhinolophidae	Asia	Japan
Macroglossus minimus	Pteropodidae	Asia	Philippines
Miniopterus schreibersii	Miniopteridae	Asia	China
Rhinolophus ferrumequinum	Rhinolophidae	Asia	China
Rhinolophus macrotis	Rhinolophidae	Asia	China
Rhinolophus pearsonii	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Myotis ricketti	Vespertilionidae	Asia	China
Pipistrellus abramus	Vespertilionidae	Asia	China
Pipistrellus pipistrellus	Vespertilionidae	Asia	China

Scotophilus kuhlii	Vespertilionidae	Asia	China
Tylonycteris pachypus	Vespertilionidae	Asia	China
Hipposideros vittatus	Hipposideridae	Africa	Kenya
Cardioderma cor	Megadermatidae	Africa	Kenya
Miniopterus minor	Miniopteridae	Africa	Kenya
Otomops martiensseni	Molossidae	Africa	Kenya
Eidolon helvum	Pteropodidae	Africa	Kenya
Epomophorus labiatus	Pteropodidae	Africa	Kenya
Rousettus aegyptiacus	Pteropodidae	Africa	Kenya
Rhinolophus hildebrandtii	Rhinolophidae	Africa	Kenya
Rhinolophus landeri	Rhinolophidae	Africa	Kenya
Triaenops afer	Rhinonycteridae	Africa	Kenya
Scotophilus dinganii	Vespertilionidae	Africa	Kenya
Hipposideros gentilis	Hipposideridae	Asia	Laos
Hipposideros khaokhouayensis	Hipposideridae	Asia	Laos
Chaerephon plicatus	Molossidae	Asia	Laos
Cynopterus sphinx	Pteropodidae	Asia	Laos
Eonycteris spelaea	Pteropodidae	Asia	Laos
Rhinolophus affinis	Rhinolophidae	Asia	Laos
Rhinolophus malayanus	Rhinolophidae	Asia	Laos
Rhinolophus marshalli	Rhinolophidae	Asia	Laos
Rhinolophus pusillus	Rhinolophidae	Asia	Laos
Hipposideros commersoni	Hipposideridae	Africa	Kenya
Cardioderma cor	Megadermatidae	Africa	Kenya
Miniopterus africanus	Miniopteridae	Africa	Kenya
Miniopterus inflatus	Miniopteridae	Africa	Kenya
Miniopterus minor	Miniopteridae	Africa	Kenya
Miniopterus natalensis	Miniopteridae	Africa	Kenya
Chaerephon pumilus	Molossidae	Africa	Kenya
Otomops martiensseni	Molossidae	Africa	Kenya
Eidolon helvum	Pteropodidae	Africa	Kenya
Rousettus aegyptiacus	Pteropodidae	Africa	Kenya
Emballonura alecto	Emballonuridae	Asia	Philippines
Hipposideros diadema	Hipposideridae	Asia	Philippines
Cynopterus brachyotis	Pteropodidae	Asia	Philippines
Macroglossus minimus	Pteropodidae	Asia	Philippines
Ptenochirus jagori	Pteropodidae	Asia	Philippines
Rousettus amplexicaudatus	Pteropodidae	Asia	Philippines
Rhinolophus rufus	Rhinolophidae	Asia	Philippines
Hipposideros larvatus	Hipposideridae	Asia	Myanmar
Chaerephon plicatus	Molossidae	Asia	Myanmar
Scotophilus heathii	Vespertilionidae	Asia	Myanmar
Chaerephon plicatus	Molossidae	Asia	Thailand
Taphozous melanopogon	Emballonuridae	Asia	Thailand
Hipposideros armiger	Hipposideridae	Asia	Thailand
Hipposideros larvatus	Hipposideridae	Asia	Thailand
Hipposideros lekaguli	Hipposideridae	Asia	Thailand
Megaderma lyra	Megadermatidae	Asia	Thailand
Miniopterus magnater	Miniopteridae	Asia	Thailand
Miniopterus pusillus	Miniopteridae	Asia	Thailand
Miniopterus schreibersii	Miniopteridae	Asia	Thailand
Cynopterus brachyotis	Pteropodidae	Asia	Thailand
Cynopterus sphinx	Pteropodidae	Asia	Thailand
Rhinolophus shameli	Rhinolophidae	Asia	Thailand
Scotophilus heathii	Vespertilionidae	Asia	Thailand

Scotophilus kuhlii	Vespertilionidae	Asia	Thailand
Pteropus lylei	Pteropodidae	Asia	Thailand
Rhinolophus acuminatus	Rhinolophidae	Asia	Thailand
Rhinolophus sinicus	Rhinolophidae	Asia	China
Rhinolophus pusillus	Rhinolophidae	Asia	China
Rhinolophus affinis	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	Rhinolophidae	Asia	China
Rhinolophus macrotis	Rhinolophidae	Asia	China
Rhinolophus pusillus	Rhinolophidae	Asia	China
Rhinolophus shameli	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Aselliscus stoliczkanus	Hipposideridae	Asia	China, Laos
Hipposideros larvatus	Hipposideridae	Asia	China, Laos
Hipposideros pomona	Hipposideridae	Asia	China, Laos
Rhinolophus sinicus	Rhinolophidae	Asia	China
Hipposideros caffer	Hipposideridae	Africa	Kenya
Miniopterus minor	Miniopteridae	Africa	Kenya
Chaerephon pumilus	Molossidae	Africa	Kenya
Mops condylurus	Molossidae	Africa	Kenya
Eidolon helvum	Pteropodidae	Africa	Kenya
Rousettus aegyptiacus	Pteropodidae	Africa	Kenya
Rhinolophus fumigatus	Rhinolophidae	Africa	Kenya
Rhinolophus landeri	Rhinolophidae	Africa	Kenya
Cynopterus brachyotis	Pteropodidae	Asia	Philippines
Eonycteris spelaea	Pteropodidae	Asia	Philippines
Ptenochirus jagori	Pteropodidae	Asia	Philippines
Rousettus amplexicaudatus	Pteropodidae	Asia	Philippines
Rhinolophus cf. clivosus	Rhinolophidae	Africa	Rwanda, Uganda
Miniopterus magnater	Miniopteridae	Asia	China
Miniopterus pusillus	Miniopteridae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Myotis ricketti	Vespertilionidae	Asia	China
Pipistrellus abramus	Vespertilionidae	Asia	China
Tylonycteris pachypus	Vespertilionidae	Asia	China
Miniopterus pusillus	Miniopteridae	Asia	China
Rousettus leschenaultii	Pteropodidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Miniopterus schreibersii	Miniopteridae	Asia	China
Rhinolophus affinis	Rhinolophidae	Asia	China
Hipposideros pratti	Hipposideridae	Asia	China
Miniopterus fuliginosus	Miniopteridae	Asia	China
Chaerephon plicatus	Molossidae	Asia	China
Rhinolophus ferrumequinum	Rhinolophidae	Asia	China
Rhinolophus pusillus	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Myotis daubentonii	Vespertilionidae	Asia	China
Myotis ricketti	Vespertilionidae	Asia	China
Nyctalus velutinus	Vespertilionidae	Asia	China
Pipistrellus abramus	Vespertilionidae	Asia	China
Tylonycteris pachypus	Vespertilionidae	Asia	China
Vespertilio superans	Vespertilionidae	Asia	China
Aselliscus stoliczkanus	Hipposideridae	Asia	China
Hipposideros armiger	Hipposideridae	Asia	China
Hipposideros larvatus	Hipposideridae	Asia	China
Hipposideros pomona	Hipposideridae	Asia	China

Megaderma lyra	Megadermatidae	Asia	China
Miniopterus pusillus	Miniopteridae	Asia	China
Miniopterus schreibersii	Miniopteridae	Asia	China
Chaerephon plicatus	Molossidae	Asia	China
Eonycteris spelaea	Pteropodidae	Asia	China
Rousettus leschenaultii	Pteropodidae	Asia	China
Rhinolophus affinis	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	Rhinolophidae	Asia	China
Rhinolophus malayanus	Rhinolophidae	Asia	China
Rhinolophus pearsonii	Rhinolophidae	Asia	China
Rhinolophus pusillus	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Myotis adversus	Vespertilionidae	Asia	China
Myotis chinensis	Vespertilionidae	Asia	China
Myotis longipes	Vespertilionidae	Asia	China
Myotis ricketti	Vespertilionidae	Asia	China
Myotis siligorensis	Vespertilionidae	Asia	China
Pipistrellus abramus	Vespertilionidae	Asia	China
Scotophilus heathii	Vespertilionidae	Asia	China
Scotophilus kuhlii	Vespertilionidae	Asia	China
Tylonycteris pachypus	Vespertilionidae	Asia	China
Tylonycteris robustula	Vespertilionidae	Asia	China
Hipposideros cineraceus	Hipposideridae	Asia	China
Cynopterus sphinx	Pteropodidae	Asia	China
Megaerops kusnotoi	Pteropodidae	Asia	China
Rousettus leschenaultii	Pteropodidae	Asia	China
Rhinolophus ferrumequinum	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Murina leucogaster	Vespertilionidae	Asia	China
Myotis daubentonii	Vespertilionidae	Asia	China
Pteropus medius	Pteropodidae	Asia	India
Chaerephon plicatus	Molossidae	Asia	China
Rhinolophus pusillus	Rhinolophidae	Asia	China
Vespertilio superans	Vespertilionidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Rhinolophus affinis	Rhinolophidae	Asia	China
Rhinolophus pusillus	Rhinolophidae	Asia	China
Rhinolophus rex	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Rhinolophus malayanus	Rhinolophidae	Asia	China
Rhinolophus affinis	Rhinolophidae	Asia	China
Hipposideros cineraceus	Hipposideridae	Asia	China
Hipposideros larvatus	Hipposideridae	Asia	China
Hipposideros pomona	Hipposideridae	Asia	China
Chaerephon plicatus	Molossidae	Asia	China
Rhinolophus malayanus	Rhinolophidae	Asia	China
Rhinolophus pusillus	Rhinolophidae	Asia	China
Rhinolophus sinicus	Rhinolophidae	Asia	China
Rhinolophus steno	Rhinolophidae	Asia	China
Murina cyclotis	Vespertilionidae	Asia	China
Myotis laniger	Vespertilionidae	Asia	China
Myotis muricola	Vespertilionidae	Asia	China

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<b>Bat species</b>	<b>Number of samples</b>	<b>Bat family</b>	<b>Continent</b>	<b>Country</b>
Taphozous perforatus	27	Emballonuridae	Africa	Egypt
Nycteris thebaica	30	Nycteridae	Africa	Egypt
Rousettus aegyptiacus	24	Pteropodidae	Africa	Egypt
Pipistrellus deserti	28	Vespertilionidae	Africa	Egypt
Miniopterus schreibersii	4	Miniopteridae	Europe	Russia
Rhinolophus euryale	4	Rhinolophidae	Europe	Russia
Rhinolophus ferrumequinum	104	Rhinolophidae	Europe	Russia
Rhinolophus hipposideros	82	Rhinolophidae	Europe	Russia
Desmodus rotundus	101	Phyllostomidae	America	Brazil
Acerodon celebensis	25	Pteropodidae	Asia	Indonesia
Dobsonia moluccensis	17	Pteropodidae	Asia	Indonesia
Pteropus vampyrus	30	Pteropodidae	Asia	Indonesia
Coleura afra	108	Emballonuridae	Africa	Ghana
Taphozous perforatus	21	Emballonuridae	Africa	Ghana
Hipposideros abae	604	Hipposideridae	Africa	Ghana
Hipposideros cf. gigas	28	Hipposideridae	Africa	Ghana
Hipposideros cf. ruber	3763	Hipposideridae	Africa	Ghana
Hipposideros fuliginosus	1	Hipposideridae	Africa	Ghana
Hipposideros jonesi	31	Hipposideridae	Africa	Ghana
Nycteris cf. gambiensis	185	Nycteridae	Africa	Ghana
Rhinolophus alcyone	4	Rhinolophidae	Africa	Ghana
Rhinolophus landeri	13	Rhinolophidae	Africa	Ghana
Pipistrellus kuhlii	7	Vespertilionidae	Europe	Ukraine
Pipistrellus nathusii	82	Vespertilionidae	Europe	Germany, Roman
Pipistrellus pipistrellus	42	Vespertilionidae	Europe	Netherlands, Ger
Pipistrellus pygmaeus	141	Vespertilionidae	Europe	Germany, Roman
Rhynchonycteris naso	1	Emballonuridae	America	Mexico
Saccopteryx bilineata	1	Emballonuridae	America	Mexico
Nyctinomops laticaudatus	5	Molossidae	America	Mexico
Nyctinomops macrotis	10	Molossidae	America	Mexico
Tadarida brasiliensis	10	Molossidae	America	Mexico
Mormoops megalophylla	11	Mormoopidae	America	Mexico
Pteronotus davyi	2	Mormoopidae	America	Mexico
Pteronotus parnellii	19	Mormoopidae	America	Mexico
Artibeus jamaicensis	93	Phyllostomidae	America	Mexico
Artibeus lituratus	108	Phyllostomidae	America	Mexico
Artibeus phaeotis	36	Phyllostomidae	America	Mexico
Artibeus watsoni	17	Phyllostomidae	America	Mexico
Carollia perspicillata	21	Phyllostomidae	America	Mexico
Carollia sowelli	72	Phyllostomidae	America	Mexico
Centurio senex	4	Phyllostomidae	America	Mexico
Choeroniscus godmani	6	Phyllostomidae	America	Mexico
Chrotopterus auritus	2	Phyllostomidae	America	Mexico

Desmodus rotundus	7	Phyllostomidae	America	Mexico
Glossophaga commissarisi	3	Phyllostomidae	America	Mexico
Glossophaga soricina	48	Phyllostomidae	America	Mexico
Leptonycteris nivalis	2	Phyllostomidae	America	Mexico
Leptonycteris yerbabuenae	1	Phyllostomidae	America	Mexico
Lonchorhina aurita	1	Phyllostomidae	America	Mexico
Micronycteris microtis	1	Phyllostomidae	America	Mexico
Micronycteris schmidtorum	5	Phyllostomidae	America	Mexico
Mimon cozumelae	1	Phyllostomidae	America	Mexico
Phylloderma stenops	2	Phyllostomidae	America	Mexico
Phyllostomus discolor	2	Phyllostomidae	America	Mexico
Platyrrhinus helleri	16	Phyllostomidae	America	Mexico
Sturnira lilium	34	Phyllostomidae	America	Mexico
Sturnira ludovici	23	Phyllostomidae	America	Mexico
Tonatia saurophila	1	Phyllostomidae	America	Mexico
Trachops cirrhosus	2	Phyllostomidae	America	Mexico
Uroderma bilobatum	5	Phyllostomidae	America	Mexico
Bauerus dubiaquercus	18	Vespertilionidae	America	Mexico
Corynorhinus mexicanus	1	Vespertilionidae	America	Mexico
Eptesicus fuscus	3	Vespertilionidae	America	Mexico
Lasiurus intermedius	1	Vespertilionidae	America	Mexico
Myotis keaysi	2	Vespertilionidae	America	Mexico
Myotis nigricans	1	Vespertilionidae	America	Mexico
Myotis occultus	1	Vespertilionidae	America	Mexico
Myotis velifer	7	Vespertilionidae	America	Mexico
Pteropus medius	Not reported	Pteropodidae	Asia	Bangladesh
Pipistrellus cf. hesperidus	Not reported	Vespertilionidae	Africa	Uganda
Craseonycteris thonglongyai	81	Craseonycteridae	Asia	Myanmar
Coleura afra	224	Emballonuridae	Africa	Cameroon, Gabon
Cormura brevirostris	1	Emballonuridae	America	Brazil
Emballonura monticola	7	Emballonuridae	Asia	Malaysia
Rhynchonycteris naso	4	Emballonuridae	America	Brazil, Mexico
Saccolaimus saccolaimus	7	Emballonuridae	Asia	Bangladesh
Saccopteryx bilineata	5	Emballonuridae	America	Brazil, Mexico
Saccopteryx canescens	1	Emballonuridae	America	Brazil
Saccopteryx gymnura	1	Emballonuridae	America	Brazil
Saccopteryx leptura	1	Emballonuridae	America	Brazil
Taphozous longimanus	45	Emballonuridae	Asia	Cambodia, Thailand
Taphozous mauritanus	17	Emballonuridae	Africa	Cameroon, DR Congo
Taphozous melanopogon	437	Emballonuridae	Asia	Bangladesh, Cameroon
Taphozous perforatus	10	Emballonuridae	Africa	Egypt
Taphozous theobaldi	3	Emballonuridae	Asia	Lao PDR, Thailand
Aselliscus stoliczkanus	374	Hipposideridae	Asia	China, Lao PDR
Coelops frithii	4	Hipposideridae	Asia	China
Hipposideros abae	6	Hipposideridae	Africa	Sierra Leone
Hipposideros armiger	372	Hipposideridae	Asia	China, Lao PDR,
Hipposideros beatus	3	Hipposideridae	Africa	Cameroon, Republic of
Hipposideros bicolor	20	Hipposideridae	Asia	Malaysia
Hipposideros caffer	1219	Hipposideridae	Africa	Cameroon, DR Congo
Hipposideros cervinus	144	Hipposideridae	Asia	Malaysia
Hipposideros cineraceus	170	Hipposideridae	Asia	Bangladesh, China
Hipposideros curtus	21	Hipposideridae	Africa	Cameroon

Hipposideros cyclops	88	Hipposideridae	Africa	Cameroon, Ivory C
Hipposideros diadema	148	Hipposideridae	Asia	Malaysia
Hipposideros dyacorum	3	Hipposideridae	Asia	Malaysia
Hipposideros fuliginosus	8	Hipposideridae	Africa	Cameroon, Liberia
Hipposideros galeritus	411	Hipposideridae	Asia	Cambodia, Malay
Hipposideros jonesi	90	Hipposideridae	Africa	Guinea, Sierra Le
Hipposideros larvatus	766	Hipposideridae	Asia	Bangladesh, Chin
Hipposideros lekaguli	101	Hipposideridae	Asia	Thailand
Hipposideros lylei	1	Hipposideridae	Asia	Lao PDR, Thailan
Hipposideros pomona	168	Hipposideridae	Asia	Cambodia, China
Hipposideros pratti	89	Hipposideridae	Asia	China
Hipposideros ridleyi	2	Hipposideridae	Asia	Malaysia
Hipposideros ruber	7277	Hipposideridae	Africa	Cameroon, DR C
Hipposideros scutinares	1	Hipposideridae	Asia	Lao PDR
Macronycteris gigas	741	Hipposideridae	Africa	Cameroon, Gabon
Cardioderma cor	4	Megadermatidae	Africa	Kenya
Lavia frons	4	Megadermatidae	Africa	Cameroon, Rwan
Lyroderma lyra	732	Megadermatidae	Asia	Bangladesh, Cam
Megaderma spasma	22	Megadermatidae	Asia	Cambodia, Lao P
Miniopterus australis	6	Miniopteridae	Asia	Malaysia
Miniopterus inflatus	338	Miniopteridae	Africa	Cameroon, Gabon
Miniopterus inflatus	571	Miniopteridae	Africa	Liberia
Miniopterus maghrebensis	1	Miniopteridae	Asia	Jordan
Miniopterus magnater	113	Miniopteridae	Asia	Thailand
Miniopterus medius	6	Miniopteridae	Asia	Malaysia
Miniopterus minor	1	Miniopteridae	Africa	Tanzania
Miniopterus paululus	4	Miniopteridae	Asia	Malaysia
Miniopterus pusillus	261	Miniopteridae	Asia	China, Thailand
Miniopterus schreibersii	623	Miniopteridae	Africa, Asia	Cameroon, China
Chaerephon major	78	Molossidae	Africa	Cameroon, Ivory C
Chaerephon plicatus	2844	Molossidae	Asia	China, Thailand, I
Chaerephon pumilus	3683	Molossidae	Africa	Cameroon, DR C
Cheiromeles torquatus	1	Molossidae	Asia	Malaysia
Molossus currentium	29	Molossidae	America	Bolivia
Molossus molossus	125	Molossidae	America	Bolivia, Brazil
Molossus rufus	6	Molossidae	America	Bolivia
Mops brachypterus	12	Molossidae	Africa	DR Congo, Ivory C
Mops condylurus	3336	Molossidae	Africa	Cameroon, DR C
Mops demonstrator	7	Molossidae	Africa	Cameroon
Mops midas	499	Molossidae	Africa	Ethiopia
Mops mops	3	Molossidae	Africa	Malaysia
Mops nanulus	1	Molossidae	Africa	DR Congo
Mops thersites	44	Molossidae	Africa	Ivory Coast
Nyctinomops laticaudatus	4	Molossidae	America	Mexico
Nyctinomops macrotis	35	Molossidae	America	Mexico
Otomops martiensseni	137	Molossidae	Africa	Rwanda
Promops nasutus	1	Molossidae	America	Bolivia
Tadarida brasiliensis	66	Molossidae	America	Bolivia, Mexico
Tadarida latouchei	3	Molossidae	Asia	China
Tadarida teniotis	36	Molossidae	Asia	China
Mormoops megalophylla	15	Mormoopidae	America	Mexico
Pteronotus davyi	6	Mormoopidae	America	Mexico
Pteronotus parnellii	144	Mormoopidae	America	Brazil, Mexico
Pteronotus personatus	6	Mormoopidae	America	Mexico
Natalus stramineus	34	Natalidae	America	Mexico

Noctilio albiventris	2	Noctilionidae	America	Bolivia
Noctilio leporinus	1	Noctilionidae	America	Bolivia
Nycteris arge	66	Nycteridae	Africa	Liberia, Uganda
Nycteris grandis	33	Nycteridae	Africa	Cameroon, Guine
Nycteris hispida	32	Nycteridae	Africa	Cameroon, Guine
Nycteris major	2	Nycteridae	Africa	Cameroon, Ivory (
Nycteris thebaica	27	Nycteridae	Africa	Cameroon, Egypt
Nycteris tragata	2	Nycteridae	Asia	Malaysia
Ametrida centurio	3	Phyllostomidae	America	Brazil
Anoura caudifer	112	Phyllostomidae	America	Bolivia, Brazil, Pe
Anoura cultrata	4	Phyllostomidae	America	Bolivia
Anoura geoffroyi	5	Phyllostomidae	America	Bolivia
Artibeus concolor	4	Phyllostomidae	America	Brazil
Artibeus fimbriatus	1	Phyllostomidae	America	Brazil
Artibeus jamaicensis	291	Phyllostomidae	America	Bolivia, Mexico
Artibeus lituratus	486	Phyllostomidae	America	Bolivia, Brazil, Me
Artibeus obscurus	73	Phyllostomidae	America	Bolivia, Brazil, Pe
Artibeus planirostris	217	Phyllostomidae	America	Bolivia, Brazil, Pe
Carollia benkeithi	12	Phyllostomidae	America	Bolivia, Brazil
Carollia brevicauda	98	Phyllostomidae	America	Bolivia, Brazil, Pe
Carollia castanea	32	Phyllostomidae	America	Bolivia, Peru
Carollia manu	20	Phyllostomidae	America	Bolivia
Carollia perspicillata	527	Phyllostomidae	America	Bolivia, Brazil, Me
Carollia sowelli	204	Phyllostomidae	America	Mexico
Carollia subrufa	5	Phyllostomidae	America	Mexico
Centurio senex	17	Phyllostomidae	America	Mexico
Chiroderma trinitatum	3	Phyllostomidae	America	Peru
Chiroderma villosum	3	Phyllostomidae	America	Mexico
Choeroniscus godmani	14	Phyllostomidae	America	Mexico
Choeroniscus minor	4	Phyllostomidae	America	Bolivia, Brazil
Choeronycteris mexicana	2	Phyllostomidae	America	Mexico
Chrotopterus auritus	8	Phyllostomidae	America	Brazil, Mexico
Dermanura anderseni	15	Phyllostomidae	America	Bolivia
Dermanura cinerea	3	Phyllostomidae	America	Brazil
Dermanura glauca	1	Phyllostomidae	America	Bolivia
Dermanura gnoma	7	Phyllostomidae	America	Brazil, Peru
Dermanura phaeotis	106	Phyllostomidae	America	Mexico
Dermanura watsoni	43	Phyllostomidae	America	Mexico
Desmodus rotundus	31	Phyllostomidae	America	Bolivia, Brazil, Me
Diphylla ecaudata	5	Phyllostomidae	America	Mexico
Enchisthenes hartii	2	Phyllostomidae	America	Peru
Gardnerycteris crenulatum	69	Phyllostomidae	America	Brazil, Mexico
Glossophaga commissarisi	15	Phyllostomidae	America	Brazil, Mexico
Glossophaga morenoi	4	Phyllostomidae	America	Mexico
Glossophaga soricina	250	Phyllostomidae	America	Bolivia, Brazil, Me
Hylonycteris underwoodi	10	Phyllostomidae	America	Mexico
Lamproncycteris brachyotis	1	Phyllostomidae	America	Bolivia
Leptonycteris nivalis	6	Phyllostomidae	America	Mexico
Leptonycteris yerbabuenae	10	Phyllostomidae	America	Mexico
Lichonycteris obscura	4	Phyllostomidae	America	Brazil
Lionycteris spurrelli	1	Phyllostomidae	America	Brazil
Lonchophylla thomasi	13	Phyllostomidae	America	Bolivia, Brazil
Lonchorhina aurita	1	Phyllostomidae	America	Mexico
Lophostoma brasiliense	2	Phyllostomidae	America	Bolivia, Brazil
Lophostoma silviculum	8	Phyllostomidae	America	Bolivia, Brazil



Mesophylla macconnelli	15	Phyllostomidae	America	Bolivia, Brazil, Pe
Micronycteris hirsuta	4	Phyllostomidae	America	Brazil
Micronycteris megalotis	1	Phyllostomidae	America	Brazil
Micronycteris microtis	3	Phyllostomidae	America	Brazil, Mexico
Micronycteris minuta	1	Phyllostomidae	America	Brazil
Micronycteris schmidtorum	14	Phyllostomidae	America	Mexico
Mimon cozumelae	1	Phyllostomidae	America	Mexico
Phylloderma stenops	6	Phyllostomidae	America	Bolivia, Brazil, Me
Phyllostomus discolor	123	Phyllostomidae	America	Brazil, Mexico
Phyllostomus elongatus	22	Phyllostomidae	America	Bolivia, Brazil, Pe
Phyllostomus hastatus	71	Phyllostomidae	America	Bolivia, Brazil, Pe
Platyrrhinus brachycephalus	5	Phyllostomidae	America	Bolivia
Platyrrhinus dorsalis	1	Phyllostomidae	America	Bolivia
Platyrrhinus fusciventris	8	Phyllostomidae	America	Brazil
Platyrrhinus helleri	46	Phyllostomidae	America	Brazil, Mexico, Pe
Platyrrhinus lineatus	6	Phyllostomidae	America	Brazil
Pygoderma bilabiatum	1	Phyllostomidae	America	Brazil
Rhinophylla fischeriae	8	Phyllostomidae	America	Brazil
Rhinophylla pumilio	48	Phyllostomidae	America	Brazil, Peru
Sturnira erythromos	20	Phyllostomidae	America	Bolivia
Sturnira lilium	255	Phyllostomidae	America	Bolivia, Brazil, Me
Sturnira ludovici	70	Phyllostomidae	America	Mexico
Sturnira magna	5	Phyllostomidae	America	Peru
Sturnira oporaphilum	17	Phyllostomidae	America	Bolivia
Sturnira tildae	12	Phyllostomidae	America	Bolivia, Brazil
Tonatia bidens	2	Phyllostomidae	America	Brazil, Peru
Tonatia saurophila	11	Phyllostomidae	America	Brazil, Mexico, Pe
Trachops cirrhosus	13	Phyllostomidae	America	Brazil, Mexico, Pe
Trinycteris nicefori	1	Phyllostomidae	America	Peru
Trinycteris nicefori	4	Phyllostomidae	America	Bolivia, Brazil
Uroderma bilobatum	31	Phyllostomidae	America	Bolivia, Brazil, Me
Uroderma magnirostrum	1	Phyllostomidae	America	Bolivia
Vampyressa pusilla	1	Phyllostomidae	America	Brazil
Vampyressa thyone	1	Phyllostomidae	America	Bolivia
Vampyriscus bidens	5	Phyllostomidae	America	Bolivia, Peru
Vampyrodes caraccioli	2	Phyllostomidae	America	Mexico, Peru
Vampyrum spectrum	3	Phyllostomidae	America	Brazil, Mexico
Acerodon celebensis	357	Pteropodidae	Asia	Indonesia
Balionycteris maculata	36	Pteropodidae	Asia	Malaysia
Casinycteris argynnis	7	Pteropodidae	Africa	Cameroon, Repul
Chironax melanocephalus	10	Pteropodidae	Asia	Malaysia
Cynopterus brachyotis	273	Pteropodidae	Asia	Bangladesh, Cam
Cynopterus horsfieldii	66	Pteropodidae	Asia	Lao PDR, Malays
Cynopterus minutus	10	Pteropodidae	Asia	Indonesia
Cynopterus sphinx	1247	Pteropodidae	Asia	Bangladesh, Cam
Dobsonia exoleta	19	Pteropodidae	Asia	Indonesia
Dyacopterus spadiceus	5	Pteropodidae	Asia	Malaysia
Eidolon helvum	5626	Pteropodidae	Africa	Cameroon, DR C
Eonycteris spelaea	724	Pteropodidae	Asia	China, Lao PDR,
Epomophorus gambianus	1201	Pteropodidae	Africa	Cameroon, DR C
Epomophorus labiatus	210	Pteropodidae	Africa	Kenya, Rwanda, S
Epomophorus wahlbergi	15	Pteropodidae	Africa	Liberia, Tanzania
Epomops buettikoferi	59	Pteropodidae	Africa	Ghana, Guinea, I
Epomops franqueti	597	Pteropodidae	Africa	Cameroon, DR C
Hypsignathus monstrosus	175	Pteropodidae	Africa	Cameroon, DR C

Lissonycteris angolensis	746	Pteropodidae	Africa	Cameroon, Ghana
Macroglossus minimus	103	Pteropodidae	Asia	Cambodia, Indonesia
Macroglossus sobrinus	143	Pteropodidae	Asia	Bangladesh, Cambodia
Megaerops ecaudatus	6	Pteropodidae	Asia	Malaysia
Megaerops niphanae	132	Pteropodidae	Asia	Cambodia, Lao PDR
Megaloglossus azagnyi	1	Pteropodidae	Africa	Guinea
Megaloglossus woermanni	344	Pteropodidae	Africa	Cameroon, DR Congo
Micropteropus pusillus	870	Pteropodidae	Africa	Cameroon, DR Congo
Myonycteris leptodon	53	Pteropodidae	Africa	Guinea, Ivory Coast
Myonycteris torquata	96	Pteropodidae	Africa	Cameroon, DR Congo
Nanonycteris veldkampii	37	Pteropodidae	Africa	Cameroon, Ivory Coast
Neopteryx frosti	1	Pteropodidae	Asia	Indonesia
Nyctimene cephalotes	18	Pteropodidae	Asia	Indonesia
Penthetor lucasi	45	Pteropodidae	Asia	Malaysia
Plerotes anchietae	4	Pteropodidae	Africa	Uganda
Pteropus alecto	1092	Pteropodidae	Asia	Indonesia
Pteropus conspicillatus	3	Pteropodidae	Asia	Indonesia
Pteropus giganteus	4123	Pteropodidae	Asia	Bangladesh, Myanmar
Pteropus hypomelanus	145	Pteropodidae	Asia	Malaysia, Myanmar
Pteropus lylei	4252	Pteropodidae	Asia	Cambodia, Thailand
Pteropus pumilus	2	Pteropodidae	Asia	Malaysia
Pteropus vampyrus	38	Pteropodidae	Asia	Indonesia, Malaysia
Rousettus aegyptiacus	6474	Pteropodidae	Africa, Asia	Cameroon, DR Congo
Rousettus amplexicaudatus	250	Pteropodidae	Asia	Cambodia, Indonesia
Rousettus lanosus	22	Pteropodidae	Africa	Rwanda
Rousettus leschenaultii	1311	Pteropodidae	Asia	Bangladesh, Cambodia
Scotonycteris zenkeri	7	Pteropodidae	Africa	Cameroon, Ivory Coast
Styloctenium wallacei	9	Pteropodidae	Asia	Indonesia
Thoopterus nigrescens	189	Pteropodidae	Asia	Indonesia
Rhinolophus acuminatus	4	Rhinolophidae	Asia	Malaysia
Rhinolophus affinis	288	Rhinolophidae	Asia	Cambodia, China
Rhinolophus alcyone	6	Rhinolophidae	Africa	Cameroon, Liberia
Rhinolophus blasii	1	Rhinolophidae	Africa, Asia	Liberia, Jordan
Rhinolophus clivosus	12	Rhinolophidae	Africa	Rwanda
Rhinolophus coelophyllus	7	Rhinolophidae	Asia	Thailand
Rhinolophus cornutus	1	Rhinolophidae	Asia	China
Rhinolophus creaghi	565	Rhinolophidae	Asia	Malaysia
Rhinolophus denti	2	Rhinolophidae	Africa	Guinea
Rhinolophus eloquens	14	Rhinolophidae	Africa	Liberia, Rwanda
Rhinolophus euryale	1	Rhinolophidae	Asia	Jordan
Rhinolophus ferrumequinum	112	Rhinolophidae	Asia	China, Jordan
Rhinolophus fumigatus	97	Rhinolophidae	Africa	Cameroon, Ivory Coast
Rhinolophus landeri	27	Rhinolophidae	Africa	Cameroon, Liberia
Rhinolophus lepidus	181	Rhinolophidae	Asia	Bangladesh, China
Rhinolophus luctus	20	Rhinolophidae	Asia	Cambodia, China
Rhinolophus macrotis	12	Rhinolophidae	Asia	China
Rhinolophus malayanus	7	Rhinolophidae	Asia	Cambodia, Malaysia
Rhinolophus mehelyi	5	Rhinolophidae	Asia	Jordan
Rhinolophus pearsonii	32	Rhinolophidae	Asia	China, Lao PDR
Rhinolophus philippinensis	37	Rhinolophidae	Asia	Malaysia
Rhinolophus pusillus	577	Rhinolophidae	Asia	Cambodia, China
Rhinolophus rex	24	Rhinolophidae	Asia	China, Malaysia
Rhinolophus robinsoni	3	Rhinolophidae	Asia	Malaysia
Rhinolophus sedulus	15	Rhinolophidae	Asia	Malaysia
Rhinolophus shameli	53	Rhinolophidae	Asia	Cambodia, Lao PDR

Rhinolophus shortridgei	2	Rhinolophidae	Asia	Bangladesh
Rhinolophus siamensis	6	Rhinolophidae	Asia	China
Rhinolophus sinicus	513	Rhinolophidae	Asia	China
Rhinolophus stheno	23	Rhinolophidae	Asia	Lao PDR, Malays
Rhinolophus thomasi	13	Rhinolophidae	Asia	China
Rhinolophus trifolius	58	Rhinolophidae	Asia	Malaysia
Triaenops persicus	103	Rhinonycteridae	Africa	Republic of Cong
Rhinopoma hardwickii	783	Rhinopomatidae	Africa, Asia	Jordan, Ethiopia
Rhinopoma microphyllum	17	Rhinopomatidae	Africa, Asia	Cameroon, Jorda
Thyroptera discifera	1	Thyropteridae	America	Brazil
Barbastella beijingensis	25	Vespertilionidae	Asia	China
Bauerus dubiaquercus	24	Vespertilionidae	America	Mexico
Corynorhinus mexicanus	12	Vespertilionidae	America	Mexico
Eptesicus andinus	2	Vespertilionidae	America	Bolivia
Eptesicus furinalis	2	Vespertilionidae	America	Mexico
Glauconycteris alboguttata	1	Vespertilionidae	Africa	Republic of Cong
Glauconycteris argentata	5	Vespertilionidae	Africa	Ivory Coast
Glauconycteris beatrix	1	Vespertilionidae	Africa	Republic of Cong
Glauconycteris poensis	20	Vespertilionidae	Africa	Cameroon, Guine
Glauconycteris variegata	10	Vespertilionidae	Africa	DR Congo, Guine
Glischropus tylopus	15	Vespertilionidae	Asia	Malaysia
Harpiocephalus harpia	1	Vespertilionidae	Asia	Lao PDR
Hesperoptenus blanfordi	2	Vespertilionidae	Asia	Cambodia
Hesperoptenus tickelli	1	Vespertilionidae	Asia	Cambodia
Histiotus velatus	24	Vespertilionidae	America	Bolivia
Hypsugo cadornae	1	Vespertilionidae	Asia	Lao PDR
Hypsugo dolichodon	1	Vespertilionidae	Asia	Lao PDR
Hypsugo musciculus	6	Vespertilionidae	Asia	Cameroon
Ia io	108	Vespertilionidae	Asia	China, Lao PDR
Kerivoula argentata	1	Vespertilionidae	Africa	Republic of Cong
Kerivoula cuprosa	5	Vespertilionidae	Africa	Cameroon
Kerivoula hardwickii	12	Vespertilionidae	Asia	Malaysia
Kerivoula intermedia	9	Vespertilionidae	Asia	Malaysia
Kerivoula lanosa	1	Vespertilionidae	Africa	DR Congo
Kerivoula minuta	2	Vespertilionidae	Asia	Malaysia
Kerivoula papillosa	9	Vespertilionidae	Asia	Malaysia
Kerivoula pellucida	10	Vespertilionidae	Asia	Malaysia
Lasiurus ega	20	Vespertilionidae	America	Bolivia
Lasiurus intermedius	1	Vespertilionidae	America	Mexico
Mimetillus moloneyi	1	Vespertilionidae	Africa	Republic of Cong
Murina cyclotis	4	Vespertilionidae	Asia	Malaysia
Murina suilla	4	Vespertilionidae	Asia	Malaysia
Myotis albescens	13	Vespertilionidae	America	Bolivia, Brazil
Myotis altarium	18	Vespertilionidae	Asia	China
Myotis annectans	1	Vespertilionidae	Asia	China
Myotis blythii	15	Vespertilionidae	Asia	China
Myotis bocagii	7	Vespertilionidae	Africa	Guinea, Sierra Le
Myotis bombinus	1	Vespertilionidae	Asia	China
Myotis brandtii	10	Vespertilionidae	Asia	China
Myotis californicus	3	Vespertilionidae	America	Mexico
Myotis chinensis	29	Vespertilionidae	Asia	China
Myotis daubentonii	61	Vespertilionidae	Asia	China
Myotis emarginatus	1	Vespertilionidae	Asia	China
Myotis fimbriatus	11	Vespertilionidae	Asia	China
Myotis horsfieldii	66	Vespertilionidae	Asia	Cambodia, Malay

Myotis keaysi	35	Vespertilionidae	America	Bolivia, Mexico
Myotis laniger	212	Vespertilionidae	Asia	China
Myotis levis	1	Vespertilionidae	America	Brazil
Myotis longipes	141	Vespertilionidae	Asia	China
Myotis muricola	23	Vespertilionidae	Asia	Cambodia, Malay
Myotis myotis	12	Vespertilionidae	Asia	Bangladesh, Chin
Myotis nigricans	33	Vespertilionidae	America	Bolivia, Brazil, Me
Myotis occultus	1	Vespertilionidae	America	Mexico
Myotis oxyotus	82	Vespertilionidae	America	Bolivia
Myotis pilosus	415	Vespertilionidae	Asia	China, Lao PDR
Myotis ridleyi	1	Vespertilionidae	Asia	Malaysia
Myotis riparius	4	Vespertilionidae	America	Bolivia, Brazil
Myotis rosseti	1	Vespertilionidae	Asia	Lao PDR
Myotis secundus	1	Vespertilionidae	Asia	China
Myotis siligorensis	273	Vespertilionidae	Asia	China, Lao PDR
Myotis velifer	17	Vespertilionidae	America	Mexico
Myotis welwitschii	1	Vespertilionidae	Africa	Rwanda, Uganda
Neoromicia brunnea	10	Vespertilionidae	Africa	Republic of Cong
Neoromicia capensis	3	Vespertilionidae	Africa	Cameroon
Neoromicia isabella	2	Vespertilionidae	Africa	Guinea
Neoromicia nana	39	Vespertilionidae	Africa	Cameroon, DR C
Neoromicia rendalli	13	Vespertilionidae	Africa	DR Congo, Guine
Neoromicia roseveari	2	Vespertilionidae	Africa	Guinea
Neoromicia somalica	5	Vespertilionidae	Africa	Guinea, Ivory Co
Neoromicia tenuipinnis	28	Vespertilionidae	Africa	Cameroon, Guine
Neoromicia zuluensis	1	Vespertilionidae	Africa	Rwanda
Nyctalus plancyi	30	Vespertilionidae	Asia	China
Nycticeinops schlieffeni	5	Vespertilionidae	Africa	Cameroon, Tanza
Phoniscus atrox	1	Vespertilionidae	Asia	Malaysia
Phoniscus jagorii	1	Vespertilionidae	Asia	Malaysia
Pipistrellus abramus	10	Vespertilionidae	Asia	China
Pipistrellus coromandra	43	Vespertilionidae	Asia	Bangladesh, Cam
Pipistrellus crassulus	1	Vespertilionidae	Africa	Republic of Cong
Pipistrellus hesperidus	14	Vespertilionidae	Africa	Uganda
Pipistrellus inexpectatus	189	Vespertilionidae	Africa	Cameroon, Seneg
Pipistrellus javanicus	1	Vespertilionidae	Asia	Cambodia
Pipistrellus kuhlii	186	Vespertilionidae	Asia	Egypt, Jordan
Pipistrellus nanulus	30	Vespertilionidae	Africa	Cameroon, DR C
Pipistrellus paterculus	2	Vespertilionidae	Asia	Cambodia, Lao P
Pipistrellus pipistrellus	151	Vespertilionidae	Asia	China
Pipistrellus rusticus	3	Vespertilionidae	Africa	Cameroon, Sierra
Pipistrellus tenuis	4	Vespertilionidae	Asia	China
Plecotus auritus	13	Vespertilionidae	Asia	China
Rhogeessa io	2	Vespertilionidae	America	Bolivia
Scotoecus albigula	8	Vespertilionidae	Africa	Uganda
Scotoecus albofuscus	3	Vespertilionidae	Africa	Uganda
Scotoecus hirundo	1	Vespertilionidae	Africa	Cameroon
Scotomanes ornatus	2	Vespertilionidae	Asia	China
Scotophilus dinganii	56	Vespertilionidae	Africa	Cameroon, DR C
Scotophilus heathii	76	Vespertilionidae	Asia	Bangladesh, Chin
Scotophilus kuhlii	144973	Vespertilionidae	Asia	Bangladesh, Cam
Scotophilus leucogaster	41	Vespertilionidae	Africa	Cameroon, Guine
Scotophilus nux	4	Vespertilionidae	Africa	Cameroon, Guine
Scotophilus viridis	53	Vespertilionidae	Africa	Rwanda, Guinea,
Scotozous dormeri	1	Vespertilionidae	Asia	China

Tylonycteris pachypus	289	Vespertilionidae	Asia	Bangladesh, Chin
Tylonycteris robustula	44	Vespertilionidae	Asia	Bangladesh, Cam
Vespertilio murinus	3	Vespertilionidae	Asia	China
Vespertilio sinensis	39	Vespertilionidae	Asia	China
Craseonycteris thonglongyai	21	Craseonycteridae	Asia	Thailand
Taphozous longimanus	217	Emballonuridae	Asia	Thailand
Aselliscus stoliczkanus	6	Hipposideridae	Asia	Thailand
Hipposideros armiger	90	Hipposideridae	Asia	Thailand
Hipposideros cineraceus	5	Hipposideridae	Asia	Thailand
Hipposideros halophyllus	6	Hipposideridae	Asia	Thailand
Hipposideros larvatus	148	Hipposideridae	Asia	Thailand
Hipposideros lekaguli	33	Hipposideridae	Asia	Thailand
Hipposideros lylei	8	Hipposideridae	Asia	Thailand
Hipposideros pomona	7	Hipposideridae	Asia	Thailand
Megaderma lyra	3	Megadermatidae	Asia	Thailand
Megaderma spasma	13	Megadermatidae	Asia	Thailand
Miniopterus schreibersii	6	Miniopteridae	Asia	Thailand
Eonycteris spelaea	3	Pteropodidae	Asia	Thailand
Rousettus leschenaultii	46	Pteropodidae	Asia	Thailand
Rhinolophus coelophyllus	12	Rhinolophidae	Asia	Thailand
Rhinolophus lepidus	5	Rhinolophidae	Asia	Thailand
Rhinolophus malayanus	9	Rhinolophidae	Asia	Thailand
Rhinolophus pearsonii	7	Rhinolophidae	Asia	Thailand
Rhinolophus steno	1	Rhinolophidae	Asia	Thailand
Rhinolophus thomasi	3	Rhinolophidae	Asia	Thailand
Rhinolophus yunnanensis	1	Rhinolophidae	Asia	Thailand
Myotis siligorensis	9	Vespertilionidae	Asia	Thailand
Miniopterus maghrebensis	7	Miniopteridae	Africa	Morocco
Miniopterus schreibersii	42	Miniopteridae	Europe	France, Spain
Tadarida teniotis	8	Molossidae	Europe	Spain
Rhinolophus euryale	3	Rhinolophidae	Africa	Morocco
Rhinolophus ferrumequinum	939	Rhinolophidae	Europe	France, Spain
Rhinolophus hipposideros	12	Rhinolophidae	Europe	France
Barbastella barbastellus	1	Vespertilionidae	Europe	France
Eptesicus isabellinus	2	Vespertilionidae	Africa	Tunisia
Eptesicus serotinus	5	Vespertilionidae	Europe	France
Hypsugo savii	1	Vespertilionidae	Europe	Spain
Myotis alcathoe	1	Vespertilionidae	Europe	France
Myotis bechsteinii	11	Vespertilionidae	Europe	France
Myotis blythii	8	Vespertilionidae	Europe	France, Spain
Myotis capaccinii	15	Vespertilionidae	Europe	Spain
Myotis daubentonii	33	Vespertilionidae	Europe	France
Myotis emarginatus	19	Vespertilionidae	Europe	France
Myotis escalerae	15	Vespertilionidae	Europe	France, Spain
Myotis myotis	230	Vespertilionidae	Europe	Spain
Myotis mystacinus	4	Vespertilionidae	Europe	France
Myotis nattereri	34	Vespertilionidae	Europe	France
Myotis punicus	11	Vespertilionidae	Africa	Morocco, Tunisia
Nyctalus leisleri	4	Vespertilionidae	Europe	Spain
Pipistrellus kuhlii	3	Vespertilionidae	Europe	Spain
Pipistrellus pipistrellus	23	Vespertilionidae	Europe	France, Spain
Pipistrellus pygmaeus	1	Vespertilionidae	Europe	France
Plecotus austriacus	3	Vespertilionidae	Europe	France, Spain
Cynomops abrasus	11	Molossidae	America	Brazil
Cynomops planirostris	5	Molossidae	America	Brazil

Desmodus rotundus	41	Phyllostomidae	America	Brazil
Glossophaga soricina	33	Phyllostomidae	America	Brazil
Rhinolophus ferrumequinum	15	Rhinolophidae	Europe	UK
Rhinolophus hipposideros	6	Rhinolophidae	Europe	UK
Barbastella barbastellus	1	Vespertilionidae	Europe	UK
Myotis daubentonii	30	Vespertilionidae	Europe	UK
Myotis nattereri	32	Vespertilionidae	Europe	UK
Pipistrellus pipistrellus	2	Vespertilionidae	Europe	UK
Plecotus auritus	26	Vespertilionidae	Europe	UK
Rhinolophus ferrumequinum	52	Rhinolophidae	Europe	Italy
Rhinolophus ferrumequinum	45	Rhinolophidae	Europe	Italy
Desmodus rotundus	Not reported	Phyllostomidae	America	Peru
Desmodus rotundus	Not reported	Phyllostomidae	America	Peru
Scotophilus kuhlii	248	Vespertilionidae	Asia	Vietnam
Peropteryx leucoptera	1	Emballonuridae	America	Brazil
Eumops glaucinus	2	Molossidae	America	Brazil
Molossops temminckii	1	Molossidae	America	Brazil
Molossus molossus	24	Molossidae	America	Brazil
Molossus rufus	18	Molossidae	America	Brazil
Nyctinomops laticaudatus	1	Molossidae	America	Brazil
Artibeus lituratus	22	Phyllostomidae	America	Brazil
Artibeus planirostris	12	Phyllostomidae	America	Brazil
Carollia perspicillata	1	Phyllostomidae	America	Brazil
Desmodus rotundus	1	Phyllostomidae	America	Brazil
Diphylla ecaudata	2	Phyllostomidae	America	Brazil
Glossophaga soricina	3	Phyllostomidae	America	Brazil
Phyllostomus discolor	5	Phyllostomidae	America	Brazil
Phyllostomus hastatus	1	Phyllostomidae	America	Brazil
Platyrrhinus lineatus	1	Phyllostomidae	America	Brazil
Sturnira lilium	1	Phyllostomidae	America	Brazil
Vampyressa pusilla	2	Phyllostomidae	America	Brazil
Eptesicus furinalis	3	Vespertilionidae	America	Brazil
Hipposideros cf. caffer	Not reported	Hipposideridae	Africa	Zimbabwe
Desmodus rotundus	Not reported	Phyllostomidae	America	Brazil
Molossus major	25	Molossidae	America	Trinidad
Pteronotus parnellii	31	Mormoopidae	America	Trinidad
Noctilio leporinus	6	Noctilionidae	America	Trinidad
Carollia perspicillata	5	Phyllostomidae	America	Trinidad
Desmodus rotundus	14	Phyllostomidae	America	Trinidad
Glossophaga soricina	21	Phyllostomidae	America	Trinidad
Phyllostomus hastatus	11	Phyllostomidae	America	Trinidad
Coelops frithii	1	Hipposideridae	Asia	Taiwan
Hipposideros armiger	7	Hipposideridae	Asia	Taiwan
Miniopterus fuliginosus	54	Miniopteridae	Asia	Taiwan
Rhinolophus monoceros	50	Rhinolophidae	Asia	Taiwan
Barbastella darjelingensis	2	Vespertilionidae	Asia	Taiwan
Harpiola isodon	1	Vespertilionidae	Asia	Taiwan
Kerivoula titania	10	Vespertilionidae	Asia	Taiwan
Murina gracilis	2	Vespertilionidae	Asia	Taiwan
Murina puta	17	Vespertilionidae	Asia	Taiwan
Murina recondita	4	Vespertilionidae	Asia	Taiwan
Myotis fimbriatus	22	Vespertilionidae	Asia	Taiwan
Myotis formosus	30	Vespertilionidae	Asia	Taiwan
Myotis laniger	2	Vespertilionidae	Asia	Taiwan
Myotis rufoniger	2	Vespertilionidae	Asia	Taiwan

Myotis secundus	9	Vespertilionidae	Asia	Taiwan
Pipistrellus abramus	1	Vespertilionidae	Asia	Taiwan
Pipistrellus montanus	3	Vespertilionidae	Asia	Taiwan
Pipistrellus taiwanesis	3	Vespertilionidae	Asia	Taiwan
Plecotus taivanus	7	Vespertilionidae	Asia	Taiwan
Scotophilus kuhlii	82	Vespertilionidae	Asia	Taiwan
Submyotodon latirostris	3	Vespertilionidae	Asia	Taiwan
Miniopterus fuliginosus	18	Miniopteridae	Asia	Taiwan
Rhinolophus monoceros	63	Rhinolophidae	Asia	Taiwan
Scotophilus kuhlii	52	Vespertilionidae	Asia	Taiwan
Miniopterus magnater	114	Miniopteridae	Asia	China
Miniopterus pusillus	22	Miniopteridae	Asia	China
Miniopterus magnater	Not reported	Miniopteridae	Asia	China
Miniopterus pusillus	Not reported	Miniopteridae	Asia	China
Tadarida brasiliensis	Not reported	Molossidae	America	Brazil
Peropteryx kappleri	5	Emballonuridae	America	Brazil, Costa Rica
Rhynchonycteris naso	1	Emballonuridae	America	Brazil, Costa Rica
Saccopteryx bilineata	114	Emballonuridae	America	Brazil, Costa Rica
Saccopteryx leptura	1	Emballonuridae	America	Brazil, Costa Rica
Eumops maurus	1	Molossidae	America	Brazil, Costa Rica
Molossus currentium	10	Molossidae	America	Brazil, Costa Rica
Molossus molossus	2	Molossidae	America	Brazil, Costa Rica
Molossus rufus	19	Molossidae	America	Brazil, Costa Rica
Pteronotus parnellii	300	Mormoopidae	America	Costa Rica, Pana
Natalus lanatus	5	Natalidae	America	Costa Rica
Noctilio leporinus	1	Noctilionidae	America	Brazil, Costa Rica
Anoura geoffroyi	101	Phyllostomidae	America	Brazil, Costa Rica
Artibeus jamaicensis	363	Phyllostomidae	America	Brazil, Costa Rica
Artibeus lituratus	54	Phyllostomidae	America	Brazil, Costa Rica
Artibeus obscurus	2	Phyllostomidae	America	Brazil, Costa Rica
Artibeus phaeotis	5	Phyllostomidae	America	Brazil, Costa Rica
Artibeus watsoni	4	Phyllostomidae	America	Brazil, Costa Rica
Carollia brevicauda	107	Phyllostomidae	America	Brazil, Costa Rica
Carollia castanea	45	Phyllostomidae	America	Brazil, Costa Rica
Carollia perspicillata	459	Phyllostomidae	America	Brazil, Costa Rica
Chrotopterus auritus	1	Phyllostomidae	America	Brazil, Costa Rica
Desmodus rotundus	30	Phyllostomidae	America	Brazil, Costa Rica
Enchisthenes hartii	3	Phyllostomidae	America	Brazil, Costa Rica
Glossophaga commissarisi	3	Phyllostomidae	America	Brazil, Costa Rica
Glossophaga soricina	49	Phyllostomidae	America	Brazil, Costa Rica
Lamproncycteris brachyotis	2	Phyllostomidae	America	Brazil, Costa Rica
Lonchophylla robusta	1	Phyllostomidae	America	Brazil, Costa Rica
Lonchorhina aurita	1	Phyllostomidae	America	Brazil, Costa Rica
Lophostoma brasiliense	2	Phyllostomidae	America	Brazil, Costa Rica
Lophostoma silviculum	27	Phyllostomidae	America	Brazil, Costa Rica
Mesophylla macconnelli	1	Phyllostomidae	America	Brazil, Costa Rica
Micronycteris hirsuta	3	Phyllostomidae	America	Brazil, Costa Rica
Micronycteris microtis	6	Phyllostomidae	America	Brazil, Costa Rica
Micronycteris minuta	2	Phyllostomidae	America	Brazil, Costa Rica
Mimon crenulatum	11	Phyllostomidae	America	Brazil, Costa Rica
Phylloderma stenops	3	Phyllostomidae	America	Brazil, Costa Rica
Phyllostomus discolor	10	Phyllostomidae	America	Brazil, Costa Rica
Phyllostomus elongatus	4	Phyllostomidae	America	Brazil, Costa Rica
Phyllostomus hastatus	5	Phyllostomidae	America	Brazil, Costa Rica
Platyrrhinus brachycephalus	1	Phyllostomidae	America	Brazil, Costa Rica

Platyrrhinus helleri	1	Phyllostomidae	America	Brazil, Costa Rica
Platyrrhinus infuscus	2	Phyllostomidae	America	Brazil, Costa Rica
Rhinophylla pumilio	4	Phyllostomidae	America	Brazil, Costa Rica
Sturnira lilium	3	Phyllostomidae	America	Brazil, Costa Rica
Sturnira magna	3	Phyllostomidae	America	Brazil, Costa Rica
Tonatia saurophila	7	Phyllostomidae	America	Brazil, Costa Rica
Trachops cirrhosus	14	Phyllostomidae	America	Brazil, Costa Rica
Uroderma bilobatum	32	Phyllostomidae	America	Brazil, Costa Rica
Vampyressa bidens	1	Phyllostomidae	America	Brazil, Costa Rica
Vampyressa thyone	1	Phyllostomidae	America	Brazil, Costa Rica
Vampyroides caraccioli	9	Phyllostomidae	America	Brazil, Costa Rica
Myotis albescens	2	Vespertilionidae	America	Brazil, Costa Rica
Myotis nigricans	7	Vespertilionidae	America	Brazil, Costa Rica
Rhogeessa tumida	3	Vespertilionidae	America	Brazil, Costa Rica
Neoromicia capensis	Not reported	Vespertilionidae	Africa	South Africa
Coleura afra	68	Emballonuridae	Africa	Ghana
Taphozous perforatus	21	Emballonuridae	Africa	Ghana
Hipposideros abae	242	Hipposideridae	Africa	Ghana
Hipposideros cf. gigas	12	Hipposideridae	Africa	Ghana
Hipposideros cf. ruber	1611	Hipposideridae	Africa	Ghana
Hipposideros jonesi	5	Hipposideridae	Africa	Ghana
Nycteris cf. gambiensis	91	Nycteridae	Africa	Ghana
Lissonycteris angolensis	20	Pteropodidae	Africa	Ghana
Rousettus aegyptiacus	4	Pteropodidae	Africa	Ghana
Rhinolophus alcyone	4	Rhinolophidae	Africa	Ghana
Rhinolophus landeri	9	Rhinolophidae	Africa	Ghana
Rhinolophus hipposideros	53	Rhinolophidae	Europe	UK
Myotis lucifugus	Not reported	Vespertilionidae	America	Canada
Eptesicus serotinus	9	Vespertilionidae	Europe	Italy
Myotis blythii	19	Vespertilionidae	Europe	Italy
Myotis myotis	47	Vespertilionidae	Europe	Italy
Pipistrellus kuhlii	3	Vespertilionidae	Europe	Italy
Cynopterus brachyotis	45	Pteropodidae	Asia	Indonesia
Macroglossus minimus	5	Pteropodidae	Asia	Indonesia
Pteropus vampyrus	36	Pteropodidae	Asia	Indonesia
Rousettus amplexicaudatus	96	Pteropodidae	Asia	Indonesia
Tadarida brasiliensis	2	Molossidae	America	USA
Eptesicus fuscus	25	Vespertilionidae	America	USA
Lasionycteris noctivagans	2	Vespertilionidae	America	USA
Myotis ciliolabrum	1	Vespertilionidae	America	USA
Myotis evotis	4	Vespertilionidae	America	USA
Myotis occultus	16	Vespertilionidae	America	USA
Myotis volans	7	Vespertilionidae	America	USA
Eptesicus fuscus	129	Vespertilionidae	America	USA
Lasiurus borealis	1	Vespertilionidae	America	USA
Lasiurus cinereus	1	Vespertilionidae	America	USA
Myotis leibii	23	Vespertilionidae	America	USA
Myotis lucifugus	61	Vespertilionidae	America	USA
Myotis septentrionalis	41	Vespertilionidae	America	USA
Perimyotis subflavus	49	Vespertilionidae	America	USA
Miniopterus schreibersii	38	Miniopteridae	Europe	Bulgaria
Rhinolophus blasii	82	Rhinolophidae	Europe	Bulgaria
Rhinolophus euryale	243	Rhinolophidae	Europe	Bulgaria
Rhinolophus ferrumequinum	45	Rhinolophidae	Europe	Bulgaria
Rhinolophus hipposideros	6	Rhinolophidae	Europe	Bulgaria



Rhinolophus mehelyi	13	Rhinolophidae	Europe	Bulgaria
Barbastella barbastellus	12	Vespertilionidae	Europe	Bulgaria
Myotis alcathoe	2	Vespertilionidae	Europe	Bulgaria
Myotis bechsteinii	32	Vespertilionidae	Europe	Bulgaria
Myotis blythii	1	Vespertilionidae	Europe	Bulgaria
Myotis capaccinii	1	Vespertilionidae	Europe	Bulgaria
Myotis daubentonii	7	Vespertilionidae	Europe	Bulgaria
Myotis emarginatus	5	Vespertilionidae	Europe	Bulgaria
Myotis myotis	3	Vespertilionidae	Europe	Bulgaria
Myotis mystacinus	1	Vespertilionidae	Europe	Bulgaria
Myotis nattereri	1	Vespertilionidae	Europe	Bulgaria
Nyctalus leisleri	3	Vespertilionidae	Europe	Bulgaria
Pipistrellus pygmaeus	2	Vespertilionidae	Europe	Bulgaria
Plecotus auritus	2	Vespertilionidae	Europe	Bulgaria
Myotis myotis	975	Vespertilionidae	Europe	Germany
Miniopterus fuliginosus	194	Miniopteridae	Asia	China
Miniopterus schreibersii	73	Miniopteridae	Europe	Spain
Rhinolophus euryale	13	Rhinolophidae	Europe	Spain
Rhinolophus ferrumequinum	8	Rhinolophidae	Europe	Spain
Rhinolophus hipposideros	4	Rhinolophidae	Europe	Spain
Rhinolophus mehelyi	1	Rhinolophidae	Europe	Spain
Barbastella barbastellus	6	Vespertilionidae	Europe	Spain
Eptesicus isabellinus	8	Vespertilionidae	Europe	Spain
Eptesicus serotinus	7	Vespertilionidae	Europe	Spain
Hypsugo savii	36	Vespertilionidae	Europe	Spain
Myotis alcathoe	1	Vespertilionidae	Europe	Spain
Myotis bechsteinii	5	Vespertilionidae	Europe	Spain
Myotis blythii	11	Vespertilionidae	Europe	Spain
Myotis capaccinii	14	Vespertilionidae	Europe	Spain
Myotis daubentonii	91	Vespertilionidae	Europe	Spain
Myotis emarginatus	2	Vespertilionidae	Europe	Spain
Myotis escalerae	15	Vespertilionidae	Europe	Spain
Myotis myotis	18	Vespertilionidae	Europe	Spain
Myotis mystacinus	5	Vespertilionidae	Europe	Spain
Myotis nattereri	6	Vespertilionidae	Europe	Spain
Nyctalus lasiopterus	174	Vespertilionidae	Europe	Spain
Nyctalus leisleri	34	Vespertilionidae	Europe	Spain
Pipistrellus kuhlii	10	Vespertilionidae	Europe	Spain
Pipistrellus pipistrellus	4	Vespertilionidae	Europe	Spain
Pipistrellus pygmaeus	1	Vespertilionidae	Europe	Spain
Plecotus auritus	7	Vespertilionidae	Europe	Spain
Plecotus austriacus	17	Vespertilionidae	Europe	Spain
Pteropus alecto	95	Pteropodidae	Asia	Indonesia
Myotis bechsteinii	321	Vespertilionidae	Europe	Germany
Myotis daubentonii	47	Vespertilionidae	Europe	Germany
Myotis nattereri	248	Vespertilionidae	Europe	Germany
Pipistrellus nathusii	22	Vespertilionidae	Europe	Germany
Pipistrellus pipistrellus	7	Vespertilionidae	Europe	Germany
Pipistrellus pygmaeus	12	Vespertilionidae	Europe	Germany
Plecotus auritus	118	Vespertilionidae	Europe	Germany
Hipposideros armiger	1	Hipposideridae	Asia	China
Myotis ricketti	2	Vespertilionidae	Asia	China
Scotophilus kuhlii	2	Vespertilionidae	Asia	China
Rhinolophus sinicus	117	Rhinolophidae	Asia	China
Hipposideros pomona	8	Hipposideridae	Asia	China

Miniopterus fuliginosus	26	Miniopteridae	Asia	China
Miniopterus fuscus	20	Miniopteridae	Asia	China
Miniopterus schreibersii	86	Miniopteridae	Asia	China
Rhinolophus affinis	106	Rhinolophidae	Asia	China
Rhinolophus sinicus	45	Rhinolophidae	Asia	China
Hipposideros caffer	2	Hipposideridae	Africa	South Africa
Miniopterus natalensis	14	Miniopteridae	Africa	South Africa
Chaerephon pumilus	3	Molossidae	Africa	South Africa
Mops condylurus	2	Molossidae	Africa	South Africa
Mops midas	2	Molossidae	Africa	South Africa
Tadarida aegyptiaca	4	Molossidae	Africa	South Africa
Nycteris thebaica	2	Nycteridae	Africa	South Africa
Epomophorus gambianus	1	Pteropodidae	Africa	South Africa
Epomophorus wahlbergi	11	Pteropodidae	Africa	South Africa
Rousettus aegyptiacus	3	Pteropodidae	Africa	South Africa
Rhinolophus capensis	1	Rhinolophidae	Africa	South Africa
Rhinolophus darlingi	1	Rhinolophidae	Africa	South Africa
Rhinolophus denti	5	Rhinolophidae	Africa	South Africa
Rhinolophus landeri	1	Rhinolophidae	Africa	South Africa
Eptesicus hottentotus	2	Vespertilionidae	Africa	South Africa
Glauconycteris variegata	1	Vespertilionidae	Africa	South Africa
Neoromicia capensis	10	Vespertilionidae	Africa	South Africa
Neoromicia helios	2	Vespertilionidae	Africa	South Africa
Neoromicia nana	7	Vespertilionidae	Africa	South Africa
Neoromicia zuluensis	1	Vespertilionidae	Africa	South Africa
Nycticeinops schlieffeni	7	Vespertilionidae	Africa	South Africa
Scotophilus dinganii	9	Vespertilionidae	Africa	South Africa
Scotophilus leucogaster	2	Vespertilionidae	Africa	South Africa
Scotophilus viridis	1	Vespertilionidae	Africa	South Africa
Neoromicia capensis	36	Vespertilionidae	Africa	South Africa
Neoromicia cf. helios	6	Vespertilionidae	Africa	South Africa
Neoromicia nana	12	Vespertilionidae	Africa	South Africa
Neoromicia zuluensis	4	Vespertilionidae	Africa	South Africa
Myotis bechsteinii	9	Vespertilionidae	Europe	Germany
Myotis brandtii	2	Vespertilionidae	Europe	Germany
Myotis dasycneme	67	Vespertilionidae	Europe	Germany
Myotis daubentonii	155	Vespertilionidae	Europe	Germany
Nyctalus noctula	3	Vespertilionidae	Europe	Germany
Pipistrellus nathusii	22	Vespertilionidae	Europe	Germany
Pipistrellus pygmaeus	57	Vespertilionidae	Europe	Germany
Balantiopteryx plicata	8	Emballonuridae	America	Mexico
Eumops glaucinus	11	Molossidae	America	Brazil
Eumops perotis	1	Molossidae	America	Brazil
Molossus molossus	8	Molossidae	America	Brazil
Molossus rufus	17	Molossidae	America	Brazil
Mormoops megalophylla	6	Mormoopidae	America	Mexico
Pteronotus davyi	4	Mormoopidae	America	Mexico
Pteronotus parnellii	6	Mormoopidae	America	Mexico
Pteronotus personatus	4	Mormoopidae	America	Mexico
Noctilio albiventris	2	Noctilionidae	America	Brazil
Artibeus jamaicensis	2	Phyllostomidae	America	Mexico
Artibeus lituratus	16	Phyllostomidae	America	Brazil
Artibeus phaeotis	2	Phyllostomidae	America	Mexico
Carollia perspicillata	17	Phyllostomidae	America	Brazil
Desmodus rotundus	46	Phyllostomidae	America	Brazil, Mexico

Glossophaga soricina	13	Phyllostomidae	America	Brazil, Mexico
Sturnira lilium	1	Phyllostomidae	America	Mexico
Sturnira ludovici	1	Phyllostomidae	America	Mexico
Lasiurus cinereus	6	Vespertilionidae	America	Mexico
Myotis nigricans	1	Vespertilionidae	America	Brazil
Eumops glaucinus	27	Molossidae	America	Brazil
Molossus molossus	80	Molossidae	America	Brazil
Molossus rufus	56	Molossidae	America	Brazil
Artibeus fimbriatus	3	Phyllostomidae	America	Brazil
Artibeus lituratus	126	Phyllostomidae	America	Brazil
Artibeus obscurus	1	Phyllostomidae	America	Brazil
Artibeus planirostris	4	Phyllostomidae	America	Brazil
Carollia perspicillata	44	Phyllostomidae	America	Brazil
Desmodus rotundus	10	Phyllostomidae	America	Brazil
Glossophaga soricina	3	Phyllostomidae	America	Brazil
Platyrrhinus lineatus	3	Phyllostomidae	America	Brazil
Sturnira lilium	28	Phyllostomidae	America	Brazil
Vampyressa pusilla	1	Phyllostomidae	America	Brazil
Eptesicus furinalis	5	Vespertilionidae	America	Brazil
Lasiurus cinereus	1	Vespertilionidae	America	Brazil
Myotis nigricans	8	Vespertilionidae	America	Brazil
Myotis riparius	1	Vespertilionidae	America	Brazil
Barbastella barbastellus	24	Vespertilionidae	Europe	France
Eptesicus serotinus	10	Vespertilionidae	Europe	France
Myotis myotis	10	Vespertilionidae	Europe	France
Pipistrellus pipistrellus	118	Vespertilionidae	Europe	France
Rhinolophus affinis	1	Rhinolophidae	Asia	China
Rhinolophus steno	7	Rhinolophidae	Asia	China
Mystacina tuberculata	4	Mystacinidae	Oceania	New Zealand
Eptesicus fuscus	16	Vespertilionidae	America	USA
Rhinolophus ferrumequinum	4	Rhinolophidae	Asia	China
Rhinolophus pusillus	14	Rhinolophidae	Asia	China
Eptesicus serotinus	26	Vespertilionidae	Asia	China
Myotis fimbriatus	34	Vespertilionidae	Asia	China
Myotis pequinius	57	Vespertilionidae	Asia	China
Myotis ricketti	10	Vespertilionidae	Asia	China
Cynopterus sphinx	30	Pteropodidae	Asia	China
Rhinolophus sinicus	176	Rhinolophidae	Asia	China
Scotophilus kuhlii	150	Vespertilionidae	Asia	China
Rhinolophus ferrumequinum	191	Rhinolophidae	Europe	Switzerland
Rhinolophus hipposideros	12	Rhinolophidae	Europe	Switzerland
Eptesicus nilssonii	3	Vespertilionidae	Europe	Switzerland
Myotis daubentonii	208	Vespertilionidae	Europe	Switzerland
Myotis myotis	5514	Vespertilionidae	Europe	Switzerland
Myotis mystacinus	54	Vespertilionidae	Europe	Switzerland
Myotis nattereri	51	Vespertilionidae	Europe	Switzerland
Nyctalus leisleri	2	Vespertilionidae	Europe	Switzerland
Nyctalus noctula	272	Vespertilionidae	Europe	Switzerland
Pipistrellus kuhlii	28	Vespertilionidae	Europe	Switzerland
Pipistrellus nathusii	30	Vespertilionidae	Europe	Switzerland
Pipistrellus pipistrellus	51	Vespertilionidae	Europe	Switzerland
Plecotus auritus	10	Vespertilionidae	Europe	Switzerland
Plecotus macrobullaris	1	Vespertilionidae	Europe	Switzerland
Vespertilio murinus	203	Vespertilionidae	Europe	Switzerland
Hipposideros armiger	8	Hipposideridae	Asia	Myanmar

Hipposideros fulvus	12	Hipposideridae	Asia	Myanmar
Megaderma lyra	6	Megadermatidae	Asia	Myanmar
Miniopterus fuliginosus	640	Miniopteridae	Asia	Myanmar
Rhinolophus ferrumequinum	176	Rhinolophidae	Asia	Myanmar
Myotis chinensis	11	Vespertilionidae	Asia	Myanmar
Aselliscus stoliczkanus	Not reported	Hipposideridae	Asia	China
Rhinolophus affinis	Not reported	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	Not reported	Rhinolophidae	Asia	China
Rhinolophus sinicus	Not reported	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	Not reported	Rhinolophidae	Asia	China
Rhinolophus pusillus	Not reported	Rhinolophidae	Asia	China
Myotis davidii	Not reported	Vespertilionidae	Asia	China
Myotis formosus	Not reported	Vespertilionidae	Asia	China
Scotophilus kuhlii	Not reported	Vespertilionidae	Asia	China
Rhinolophus sinicus	334	Rhinolophidae	Asia	China
Rousettus leschenaultii	118	Pteropodidae	Asia	China
Rhinolophus shameli	Not reported	Rhinolophidae	Asia	Cambodia
Cynopterus horsfieldii	2	Pteropodidae	Asia	Vietnam
Eptesicus fuscus	2	Vespertilionidae	America	USA
Perimyotis subflavus	1	Vespertilionidae	America	USA
Hipposideros caffer	4	Hipposideridae	Africa	South Africa
Miniopterus natalensis	13	Miniopteridae	Africa	South Africa
Chaerephon pumilus	5	Molossidae	Africa	South Africa
Mops condylurus	1	Molossidae	Africa	South Africa
Tadarida aegyptiaca	3	Molossidae	Africa	South Africa
Nycteris thebaica	1	Nycteridae	Africa	South Africa
Rousettus aegyptiacus	12	Pteropodidae	Africa	South Africa
Rhinolophus clivosus	2	Rhinolophidae	Africa	South Africa
Rhinolophus darlingi	2	Rhinolophidae	Africa	South Africa
Neoromicia capensis	10	Vespertilionidae	Africa	South Africa
Neoromicia cf. zuluensis	1	Vespertilionidae	Africa	South Africa
Neoromicia nana	6	Vespertilionidae	Africa	South Africa
Scotophilus viridis	3	Vespertilionidae	Africa	South Africa
Myotis macropus	52	Vespertilionidae	Oceania	Australia
Taphozous mauritanus	2	Emballonuridae	Africa	Mauritius
Hipposideros caffer	59	Hipposideridae	Africa	Mozambique
Macronycteris commersoni	19	Hipposideridae	Africa	Madagascar
Miniopterus gleni	16	Miniopteridae	Africa	Madagascar
Miniopterus griveaudi	28	Miniopteridae	Africa	Madagascar
Miniopterus mahafaliensis	8	Miniopteridae	Africa	Madagascar
Miniopterus manavi	19	Miniopteridae	Africa	Madagascar
Miniopterus mossambicus	21	Miniopteridae	Africa	Mozambique
Miniopterus sororculus	8	Miniopteridae	Africa	Madagascar
Chaerephon atsinanana	29	Molossidae	Africa	Madagascar
Chaerephon leucogaster	45	Molossidae	Africa	Madagascar
Chaerephon pumilus	60	Molossidae	Africa	Mayotte
Mops condylurus	54	Molossidae	Africa	Mozambique
Mops leucostigma	94	Molossidae	Africa	Madagascar
Mops midas	21	Molossidae	Africa	Madagascar
Mormopterus acetabulosus	6	Molossidae	Africa	Mauritius
Mormopterus francoismoutoui	50	Molossidae	Africa	Reunion
Mormopterus jugularis	63	Molossidae	Africa	Madagascar
Otomops madagascariensis	18	Molossidae	Africa	Madagascar
Nycteris thebaica	14	Nycteridae	Africa	Mozambique
Pteropus niger	48	Pteropodidae	Africa	Mauritius

<i>Pteropus seychellensis</i>	72	Pteropodidae	Africa	Mayotte
<i>Pteropus seychellensis</i>	50	Pteropodidae	Africa	Seychelles
<i>Rousettus madagascariensis</i>	45	Pteropodidae	Africa	Madagascar
<i>Rhinolophus lobatus</i>	9	Rhinolophidae	Africa	Mozambique
<i>Rhinolophus mossambicus</i>	20	Rhinolophidae	Africa	Mozambique
<i>Rhinolophus rhodesiae</i>	30	Rhinolophidae	Africa	Mozambique
<i>Paratriaenops furculus</i>	32	Rhinonycteridae	Africa	Madagascar
<i>Triaenops afer</i>	51	Rhinonycteridae	Africa	Mozambique
<i>Triaenops menamena</i>	34	Rhinonycteridae	Africa	Madagascar
<i>Myotis goudoti</i>	17	Vespertilionidae	Africa	Mauritius
<i>Neoromicia malagasyensis</i>	2	Vespertilionidae	Africa	Mauritius
<i>Neoromicia matroka</i>	4	Vespertilionidae	Africa	Mauritius
<i>Neoromicia nana</i>	2	Vespertilionidae	Africa	Mozambique
<i>Pipistrellus hesperidus</i>	5	Vespertilionidae	Africa	Mauritius
<i>Scotophilus viridis</i>	2	Vespertilionidae	Africa	Mozambique
<i>Miniopterus schreibersii</i>	15	Miniopteridae	Europe	Hungary
<i>Rhinolophus euryale</i>	3	Rhinolophidae	Europe	Hungary
<i>Rhinolophus ferrumequinum</i>	12	Rhinolophidae	Europe	Hungary
<i>Rhinolophus hipposideros</i>	3	Rhinolophidae	Europe	Hungary
<i>Barbastella barbastellus</i>	13	Vespertilionidae	Europe	Hungary
<i>Eptesicus serotinus</i>	7	Vespertilionidae	Europe	Hungary
<i>Myotis alcathoe</i>	16	Vespertilionidae	Europe	Hungary
<i>Myotis bechsteinii</i>	125	Vespertilionidae	Europe	Hungary
<i>Myotis blythii</i>	10	Vespertilionidae	Europe	Hungary
<i>Myotis brandtii</i>	3	Vespertilionidae	Europe	Hungary
<i>Myotis dasycneme</i>	11	Vespertilionidae	Europe	Hungary
<i>Myotis daubentonii</i>	81	Vespertilionidae	Europe	Hungary
<i>Myotis emarginatus</i>	5	Vespertilionidae	Europe	Hungary
<i>Myotis myotis</i>	29	Vespertilionidae	Europe	Hungary
<i>Myotis mystacinus</i>	1	Vespertilionidae	Europe	Hungary
<i>Myotis nattereri</i>	37	Vespertilionidae	Europe	Hungary
<i>Nyctalus leisleri</i>	6	Vespertilionidae	Europe	Hungary
<i>Nyctalus noctula</i>	14	Vespertilionidae	Europe	Hungary
<i>Pipistrellus nathusii</i>	3	Vespertilionidae	Europe	Hungary
<i>Pipistrellus pipistrellus</i>	12	Vespertilionidae	Europe	Hungary
<i>Pipistrellus pygmaeus</i>	6	Vespertilionidae	Europe	Hungary
<i>Plecotus auritus</i>	29	Vespertilionidae	Europe	Hungary
<i>Plecotus austriacus</i>	3	Vespertilionidae	Europe	Hungary
<i>Vespertilio murinus</i>	3	Vespertilionidae	Europe	Hungary
<i>Hipposideros ruber</i>	20	Hipposideridae	Africa	Nigeria
<i>Lavia frons</i>	3	Megadermatidae	Africa	Nigeria
<i>Chaerephon pumilus</i>	12	Molossidae	Africa	Nigeria
<i>Mops condylurus</i>	1	Molossidae	Africa	Nigeria
<i>Eidolon helvum</i>	23	Pteropodidae	Africa	Nigeria
<i>Epomophorus gambianus</i>	15	Pteropodidae	Africa	Nigeria
<i>Rhinopoma musculatum</i>	5	Rhinopomatidae	Africa	Nigeria
<i>Miniopterus schreibersii</i>	Not reported	Miniopteridae	Asia	South Korea
<i>Rhinolophus ferrumequinum</i>	Not reported	Rhinolophidae	Asia	South Korea
<i>Myotis aurascens</i>	Not reported	Vespertilionidae	Asia	South Korea
<i>Myotis macrodactylus</i>	Not reported	Vespertilionidae	Asia	South Korea
<i>Myotis petax</i>	Not reported	Vespertilionidae	Asia	South Korea
<i>Eptesicus nilssonii</i>	22	Vespertilionidae	Europe	Finland
<i>Myotis brandtii</i>	6	Vespertilionidae	Europe	Finland
<i>Myotis daubentonii</i>	27	Vespertilionidae	Europe	Finland
<i>Pipistrellus nathusii</i>	1	Vespertilionidae	Europe	Finland

Plecotus auritus	2	Vespertilionidae	Europe	Finland
Barbastella barbastellus	2	Vespertilionidae	Europe	Germany
Eptesicus nilssonii	15	Vespertilionidae	Europe	Germany
Eptesicus serotinus	20	Vespertilionidae	Europe	Germany
Myotis bechsteinii	1	Vespertilionidae	Europe	Germany
Myotis brandtii	2	Vespertilionidae	Europe	Germany
Myotis daubentonii	17	Vespertilionidae	Europe	Germany
Myotis myotis	5	Vespertilionidae	Europe	Germany
Myotis mystacinus	37	Vespertilionidae	Europe	Germany
Myotis nattereri	9	Vespertilionidae	Europe	Germany
Nyctalus leisleri	3	Vespertilionidae	Europe	Germany
Nyctalus noctula	86	Vespertilionidae	Europe	Germany
Pipistrellus kuhlii	8	Vespertilionidae	Europe	Germany
Pipistrellus nathusii	28	Vespertilionidae	Europe	Germany
Pipistrellus pipistrellus	98	Vespertilionidae	Europe	Germany
Pipistrellus pygmaeus	3	Vespertilionidae	Europe	Germany
Plecotus auritus	20	Vespertilionidae	Europe	Germany
Plecotus austriacus	1	Vespertilionidae	Europe	Germany
Vespertilio murinus	20	Vespertilionidae	Europe	Germany
Pteropus medius	50	Pteropodidae	Asia	Sri Lanka
Hipposideros ruber	21	Hipposideridae	Africa	Democratic Repu
Chaerephon pumilus	65	Molossidae	Africa	Democratic Repu
Mops condylurus	105	Molossidae	Africa	Democratic Repu
Eidolon helvum	103	Pteropodidae	Africa	Democratic Repu
Epomops franqueti	146	Pteropodidae	Africa	Democratic Repu
Megaloglossus torquata	22	Pteropodidae	Africa	Democratic Repu
Megaloglossus woermanni	118	Pteropodidae	Africa	Democratic Repu
Micropteropus pusillus	416	Pteropodidae	Africa	Democratic Repu
Triaenops afer	Not reported	Rhinonycteridae	Africa	Democratic Repu
Triaenops persicus	29	Rhinonycteridae	Africa	Democratic Repu
Triaenops persicus	Not reported	Rhinonycteridae	Africa	Democratic Repu
Pipistrellus nanulus	11	Vespertilionidae	Africa	Democratic Repu
Scotophilus dinganii	29	Vespertilionidae	Africa	Democratic Repu
Hipposideros larvatus	Not reported	Hipposideridae	Asia	Laos, Cambodia
Cynopterus sphinx	341	Pteropodidae	Asia	Laos, Cambodia
Eonycteris spelaea	89	Pteropodidae	Asia	Laos, Cambodia
Megaerops niphanae	130	Pteropodidae	Asia	Laos, Cambodia
Rousettus amplexicaudatus	Not reported	Pteropodidae	Asia	Laos, Cambodia
Rousettus leschenaultii	Not reported	Pteropodidae	Asia	Laos, Cambodia
Rhinolophus shameli	Not reported	Rhinolophidae	Asia	Laos, Cambodia
la io	32	Vespertilionidae	Asia	Laos, Cambodia
Myotis horsfieldii	50	Vespertilionidae	Asia	Laos, Cambodia
Myotis ricketti	5	Vespertilionidae	Asia	Laos, Cambodia
Pipistrellus coromandra	29	Vespertilionidae	Asia	Laos, Cambodia
Scotophilus kuhlii	Not reported	Vespertilionidae	Asia	Laos, Cambodia
Hipposideros ruber	7	Hipposideridae	Africa	Guinea
Mops condylurus	10	Molossidae	Africa	Guinea
Nycteris macrotis	1	Nycteridae	Africa	Guinea
Eidolon helvum	9	Pteropodidae	Africa	Guinea
Epomophorus gambianus	87	Pteropodidae	Africa	Guinea
Epomops buettikoferi	3	Pteropodidae	Africa	Guinea
Hypsignathus monstrosus	6	Pteropodidae	Africa	Guinea
Lissonycteris angolensis	42	Pteropodidae	Africa	Guinea
Micropteropus pusillus	6	Pteropodidae	Africa	Guinea
Nanonycteris veldkampii	1	Pteropodidae	Africa	Guinea

Rousettus aegyptiacus	120	Pteropodidae	Africa	Guinea
Rhinolophus darlingi	2	Rhinolophidae	Africa	Guinea
Scotophilus leucogaster	3	Vespertilionidae	Africa	Guinea
Aselliscus stoliczkanus	Not reported	Hipposideridae	Asia	China
Hipposideros armiger	Not reported	Hipposideridae	Asia	China
Hipposideros pomona	Not reported	Hipposideridae	Asia	China
Hipposideros pratti	Not reported	Hipposideridae	Asia	China
Miniopterus fuscus	Not reported	Miniopteridae	Asia	China
Miniopterus pusillus	Not reported	Miniopteridae	Asia	China
Miniopterus schreibersii	Not reported	Miniopteridae	Asia	China
Cynopterus sphinx	Not reported	Pteropodidae	Asia	China
Eonycteris spelaea	Not reported	Pteropodidae	Asia	China
Rhinolophus affinis	Not reported	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	Not reported	Rhinolophidae	Asia	China
Rhinolophus macrotis	Not reported	Rhinolophidae	Asia	China
Rhinolophus pusillus	Not reported	Rhinolophidae	Asia	China
Rhinolophus sinicus	Not reported	Rhinolophidae	Asia	China
la io	Not reported	Vespertilionidae	Asia	China
Myotis chinensis	Not reported	Vespertilionidae	Asia	China
Myotis horsfieldii	Not reported	Vespertilionidae	Asia	China
Myotis ricketti	Not reported	Vespertilionidae	Asia	China
Pipistrellus abramus	Not reported	Vespertilionidae	Asia	China
Scotophilus kuhlii	Not reported	Vespertilionidae	Asia	China
Tylonycteris pachypus	Not reported	Vespertilionidae	Asia	China
Vespertilio sinensis	Not reported	Vespertilionidae	Asia	China
Hipposideros armiger	12	Hipposideridae	Asia	China
Miniopterus magnater	23	Miniopteridae	Asia	China
Miniopterus pusillus	24	Miniopteridae	Asia	China
Rhinolophus affinis	2	Rhinolophidae	Asia	China
Rhinolophus sinicus	59	Rhinolophidae	Asia	China
Myotis chinensis	3	Vespertilionidae	Asia	China
Myotis ricketti	2	Vespertilionidae	Asia	China
Nyctalus noctula	2	Vespertilionidae	Asia	China
Rhinolophus sinicus	412	Rhinolophidae	Asia	China
Rousettus leschenaultii	350	Pteropodidae	Asia	China
Rhinolophus sinicus	1401	Rhinolophidae	Asia	China
Hipposideros armiger	207	Hipposideridae	Asia	China
Hipposideros larvatus	2	Hipposideridae	Asia	China
Hipposideros pomona	524	Hipposideridae	Asia	China
Miniopterus magnater	14	Miniopteridae	Asia	China
Miniopterus pusillus	380	Miniopteridae	Asia	China
Miniopterus schreibersii	525	Miniopteridae	Asia	China
Cynopterus sphinx	24	Pteropodidae	Asia	China
Rousettus leschenaultii	416	Pteropodidae	Asia	China
Rhinolophus affinis	339	Rhinolophidae	Asia	China
Rhinolophus osgoodi	1	Rhinolophidae	Asia	China
Rhinolophus pusillus	83	Rhinolophidae	Asia	China
Rhinolophus sinicus	1671	Rhinolophidae	Asia	China
Hypsugo pulveratus	1	Vespertilionidae	Asia	China
Myotis chinensis	86	Vespertilionidae	Asia	China
Myotis horsfieldii	7	Vespertilionidae	Asia	China
Myotis muricola	3	Vespertilionidae	Asia	China
Myotis ricketti	175	Vespertilionidae	Asia	China
Nyctalus noctula	38	Vespertilionidae	Asia	China
Pipistrellus abramus	198	Vespertilionidae	Asia	China

Pipistrellus tenuis	11	Vespertilionidae	Asia	China
Scotophilus kuhlii	16	Vespertilionidae	Asia	China
Tylonycteris pachypus	75	Vespertilionidae	Asia	China
Hipposideros armiger	198	Hipposideridae	Asia	China
Hipposideros pomona	642	Hipposideridae	Asia	China
Miniopterus magnater	15	Miniopteridae	Asia	China
Miniopterus pusillus	450	Miniopteridae	Asia	China
Miniopterus schreibersii	758	Miniopteridae	Asia	China
Cynopterus sphinx	26	Pteropodidae	Asia	China
Rousettus leschenaultii	73	Pteropodidae	Asia	China
Rhinolophus affinis	359	Rhinolophidae	Asia	China
Rhinolophus pusillus	89	Rhinolophidae	Asia	China
Rhinolophus sinicus	2012	Rhinolophidae	Asia	China
Hypsugo pulveratus	1	Vespertilionidae	Asia	China
Myotis chinensis	122	Vespertilionidae	Asia	China
Myotis horsfieldii	7	Vespertilionidae	Asia	China
Myotis muricola	4	Vespertilionidae	Asia	China
Myotis ricketti	307	Vespertilionidae	Asia	China
Nyctalus noctula	54	Vespertilionidae	Asia	China
Pipistrellus abramus	219	Vespertilionidae	Asia	China
Pipistrellus tenuis	11	Vespertilionidae	Asia	China
Scotophilus kuhlii	18	Vespertilionidae	Asia	China
Tylonycteris pachypus	115	Vespertilionidae	Asia	China
Tylonycteris robustula	1	Vespertilionidae	Asia	China
Hipposideros pomona	17	Hipposideridae	Asia	China
Rousettus leschenaultii	115	Pteropodidae	Asia	China
Rhinolophus affinis	22	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	11	Rhinolophidae	Asia	China
Rhinolophus luctus	32	Rhinolophidae	Asia	China
Rhinolophus stheno	34	Rhinolophidae	Asia	China
Myotis daubentonii	98	Vespertilionidae	Asia	China
Taphozous melanopogon	25	Emballonuridae	Asia	China
Aselliscus stoliczkanus	48	Hipposideridae	Asia	China
Coelops frithii	9	Hipposideridae	Asia	China
Hipposideros armiger	124	Hipposideridae	Asia	China
Hipposideros larvatus	140	Hipposideridae	Asia	China
Hipposideros pomona	26	Hipposideridae	Asia	China
Hipposideros pratti	19	Hipposideridae	Asia	China
Megaderma lyra	1	Megadermatidae	Asia	China
Miniopterus fuliginosus	90	Miniopteridae	Asia	China
Miniopterus pusillus	22	Miniopteridae	Asia	China
Cynopterus sphinx	102	Pteropodidae	Asia	China
Eonycteris spelaea	6	Pteropodidae	Asia	China
Megaerops ecaudatus	1	Pteropodidae	Asia	China
Rousettus leschenaultii	49	Pteropodidae	Asia	China
Rhinolophus affinis	79	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	86	Rhinolophidae	Asia	China
Rhinolophus luctus	4	Rhinolophidae	Asia	China
Rhinolophus macrotis	18	Rhinolophidae	Asia	China
Rhinolophus pearsonii	24	Rhinolophidae	Asia	China
Rhinolophus pusillus	119	Rhinolophidae	Asia	China
Rhinolophus rex	2	Rhinolophidae	Asia	China
Rhinolophus siamensis	3	Rhinolophidae	Asia	China
Rhinolophus sinicus	106	Rhinolophidae	Asia	China
Rhinolophus thomasi	1	Rhinolophidae	Asia	China



Hypsugo pulveratus	14	Vespertilionidae	Asia	China
la io	20	Vespertilionidae	Asia	China
Myotis adversus	4	Vespertilionidae	Asia	China
Myotis altarium	15	Vespertilionidae	Asia	China
Myotis chinensis	78	Vespertilionidae	Asia	China
Myotis fimbriatus	6	Vespertilionidae	Asia	China
Myotis formosus	1	Vespertilionidae	Asia	China
Myotis longipes	5	Vespertilionidae	Asia	China
Myotis pequinius	29	Vespertilionidae	Asia	China
Myotis ricketti	93	Vespertilionidae	Asia	China
Nyctalus plancyi	1	Vespertilionidae	Asia	China
Pipistrellus abramus	73	Vespertilionidae	Asia	China
Pipistrellus minus	3	Vespertilionidae	Asia	China
Pipistrellus pipistrellus	5	Vespertilionidae	Asia	China
Scotophilus kuhlii	201	Vespertilionidae	Asia	China
Tylonycteris pachypus	184	Vespertilionidae	Asia	China
Tylonycteris robustula	104	Vespertilionidae	Asia	China
Taphozous melanopogon	25	Emballonuridae	Asia	China
Aselliscus stoliczkanus	48	Hipposideridae	Asia	China
Coelops frithii	9	Hipposideridae	Asia	China
Hipposideros armiger	365	Hipposideridae	Asia	China
Hipposideros larvatus	142	Hipposideridae	Asia	China
Hipposideros pomona	1001	Hipposideridae	Asia	China
Hipposideros pratti	19	Hipposideridae	Asia	China
Megaderma lyra	1	Megadermatidae	Asia	China
Miniopterus fuliginosus	90	Miniopteridae	Asia	China
Miniopterus magnater	29	Miniopteridae	Asia	China
Miniopterus pusillus	541	Miniopteridae	Asia	China
Miniopterus schreibersii	1016	Miniopteridae	Asia	China
Cynopterus sphinx	130	Pteropodidae	Asia	China
Eonycteris spelaea	6	Pteropodidae	Asia	China
Megaerops ecaudatus	1	Pteropodidae	Asia	China
Rousettus leschenaultii	741	Pteropodidae	Asia	China
Rhinolophus affinis	670	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	97	Rhinolophidae	Asia	China
Rhinolophus luctus	63	Rhinolophidae	Asia	China
Rhinolophus macrotis	18	Rhinolophidae	Asia	China
Rhinolophus osgoodi	1	Rhinolophidae	Asia	China
Rhinolophus pearsonii	24	Rhinolophidae	Asia	China
Rhinolophus pusillus	419	Rhinolophidae	Asia	China
Rhinolophus rex	2	Rhinolophidae	Asia	China
Rhinolophus siamensis	3	Rhinolophidae	Asia	China
Rhinolophus sinicus	2430	Rhinolophidae	Asia	China
Rhinolophus steno	34	Rhinolophidae	Asia	China
Rhinolophus thomasi	1	Rhinolophidae	Asia	China
Hypsugo pulveratus	11	Vespertilionidae	Asia	China
la io	20	Vespertilionidae	Asia	China
Myotis adversus	4	Vespertilionidae	Asia	China
Myotis altarium	15	Vespertilionidae	Asia	China
Myotis chinensis	224	Vespertilionidae	Asia	China
Myotis daubentonii	98	Vespertilionidae	Asia	China
Myotis fimbriatus	6	Vespertilionidae	Asia	China
Myotis formosus	1	Vespertilionidae	Asia	China
Myotis horsfieldii	7	Vespertilionidae	Asia	China
Myotis longipes	5	Vespertilionidae	Asia	China

Myotis muricola	4	Vespertilionidae	Asia	China
Myotis pequinius	29	Vespertilionidae	Asia	China
Myotis ricketti	451	Vespertilionidae	Asia	China
Nyctalus noctula	56	Vespertilionidae	Asia	China
Nyctalus plancyi	1	Vespertilionidae	Asia	China
Pipistrellus abramus	306	Vespertilionidae	Asia	China
Pipistrellus minus	3	Vespertilionidae	Asia	China
Pipistrellus pipistrellus	6	Vespertilionidae	Asia	China
Pipistrellus tenuis	11	Vespertilionidae	Asia	China
Scotophilus kuhlii	220	Vespertilionidae	Asia	China
Tylonycteris pachypus	314	Vespertilionidae	Asia	China
Tylonycteris robustula	105	Vespertilionidae	Asia	China
Taphozous melanopogon	119	Emballonuridae	Asia	China
Aselliscus stoliczkanus	55	Hipposideridae	Asia	China
Hipposideros armiger	219	Hipposideridae	Asia	China
Hipposideros larvatus	48	Hipposideridae	Asia	China
Hipposideros pomona	774	Hipposideridae	Asia	China
Hipposideros pratti	19	Hipposideridae	Asia	China
Megaderma lyra	1	Megadermatidae	Asia	China
Miniopterus fuliginosus	30	Miniopteridae	Asia	China
Miniopterus magnater	17	Miniopteridae	Asia	China
Miniopterus pusillus	273	Miniopteridae	Asia	China
Miniopterus schreibersii	492	Miniopteridae	Asia	China
Chaerephon plicatus	31	Molossidae	Asia	China
Cynopterus sphinx	86	Pteropodidae	Asia	China
Eonycteris spelaea	53	Pteropodidae	Asia	China
Megaerops ecaudatus	1	Pteropodidae	Asia	China
Rousettus leschenaultii	70	Pteropodidae	Asia	China
Rhinolophus affinis	263	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	86	Rhinolophidae	Asia	China
Rhinolophus luctus	4	Rhinolophidae	Asia	China
Rhinolophus macrotis	24	Rhinolophidae	Asia	China
Rhinolophus pearsonii	29	Rhinolophidae	Asia	China
Rhinolophus pusillus	206	Rhinolophidae	Asia	China
Rhinolophus rex	4	Rhinolophidae	Asia	China
Rhinolophus siamensis	1	Rhinolophidae	Asia	China
Rhinolophus sinicus	1004	Rhinolophidae	Asia	China
Rhinolophus thomasi	1	Rhinolophidae	Asia	China
Hypsugo pulveratus	6	Vespertilionidae	Asia	China
Ia io	26	Vespertilionidae	Asia	China
Kerivoula picta	1	Vespertilionidae	Asia	China
Myotis altarium	14	Vespertilionidae	Asia	China
Myotis chinensis	123	Vespertilionidae	Asia	China
Myotis daubentonii	5	Vespertilionidae	Asia	China
Myotis davidii	2	Vespertilionidae	Asia	China
Myotis fimbriatus	6	Vespertilionidae	Asia	China
Myotis formosus	1	Vespertilionidae	Asia	China
Myotis horsfieldii	19	Vespertilionidae	Asia	China
Myotis longipes	4	Vespertilionidae	Asia	China
Myotis pequinius	29	Vespertilionidae	Asia	China
Myotis ricketti	483	Vespertilionidae	Asia	China
Myotis siligorensis	3	Vespertilionidae	Asia	China
Nyctalus noctula	14	Vespertilionidae	Asia	China
Nyctalus plancyi	2	Vespertilionidae	Asia	China
Pipistrellus abramus	102	Vespertilionidae	Asia	China

Pipistrellus ceylonicus	1	Vespertilionidae	Asia	China
Pipistrellus tenuis	4	Vespertilionidae	Asia	China
Scotophilus kuhlii	37	Vespertilionidae	Asia	China
Tylonycteris pachypus	1044	Vespertilionidae	Asia	China
Tylonycteris robustula	196	Vespertilionidae	Asia	China
Eptesicus serotinus	4	Vespertilionidae	Europe	Denmark
Myotis bechsteinii	11	Vespertilionidae	Europe	Denmark
Myotis brandtii	3	Vespertilionidae	Europe	Denmark
Myotis dasycneme	19	Vespertilionidae	Europe	Denmark
Myotis daubentonii	187	Vespertilionidae	Europe	Denmark
Myotis mystacinus	2	Vespertilionidae	Europe	Denmark
Myotis nattereri	11	Vespertilionidae	Europe	Denmark
Nyctalus noctula	4	Vespertilionidae	Europe	Denmark
Pipistrellus pygmaeus	28	Vespertilionidae	Europe	Denmark
Plecotus auritus	2	Vespertilionidae	Europe	Denmark
Myotis dasycneme	1	Vespertilionidae	Europe	Denmark
Myotis daubentonii	4	Vespertilionidae	Europe	Denmark
Pipistrellus pygmaeus	2	Vespertilionidae	Europe	Denmark
Miniopterus schreibersii	16	Miniopteridae	Europe	Italy
Tadarida teniotis	3	Molossidae	Europe	Italy
Rhinolophus ferrumequinum	9	Rhinolophidae	Europe	Italy
Rhinolophus mehelyi	4	Rhinolophidae	Europe	Italy
Eptesicus serotinus	1	Vespertilionidae	Europe	Italy
Hypsugo savii	2	Vespertilionidae	Europe	Italy
Myotis capaccinii	10	Vespertilionidae	Europe	Italy
Myotis emarginatus	7	Vespertilionidae	Europe	Italy
Myotis punicus	22	Vespertilionidae	Europe	Italy
Nyctalus leisleri	2	Vespertilionidae	Europe	Italy
Pipistrellus kuhlii	1	Vespertilionidae	Europe	Italy
Pipistrellus pipistrellus	2	Vespertilionidae	Europe	Italy
Plecotus auritus	3	Vespertilionidae	Europe	Italy
Plecotus austriacus	1	Vespertilionidae	Europe	Italy
Plecotus sardus	1	Vespertilionidae	Europe	Italy
Miniopterus schreibersii	156	Miniopteridae	Asia	South Korea
Rhinolophus ferrumequinum	196	Rhinolophidae	Asia	South Korea
Eptesicus serotinus	176	Vespertilionidae	Asia	South Korea
Murina leucogaster	17	Vespertilionidae	Asia	South Korea
Myotis aurascens	11	Vespertilionidae	Asia	South Korea
Myotis formosus chofukusei	17	Vespertilionidae	Asia	South Korea
Myotis ikonnikovi	17	Vespertilionidae	Asia	South Korea
Myotis macrodactylus	17	Vespertilionidae	Asia	South Korea
Myotis nattereri	30	Vespertilionidae	Asia	South Korea
Myotis petax	5	Vespertilionidae	Asia	South Korea
Pipistrellus abramus	30	Vespertilionidae	Asia	South Korea
Vespertilio sinensis	Not reported	Vespertilionidae	Asia	South Korea
Miniopterus fuliginosus	281	Miniopteridae	Asia	South Korea
Miniopterus schreibersii	225	Miniopteridae	Asia	South Korea
Rhinolophus ferrumequinum	244	Rhinolophidae	Asia	South Korea
Eptesicus serotinus	362	Vespertilionidae	Asia	South Korea
Hypsugo alaschanicus	57	Vespertilionidae	Asia	South Korea
Murina hilgendorfi	Not reported	Vespertilionidae	Asia	South Korea
Murina ussuriensis	Not reported	Vespertilionidae	Asia	South Korea
Myotis aurascens	46	Vespertilionidae	Asia	South Korea
Myotis bombinus	Not reported	Vespertilionidae	Asia	South Korea
Myotis formosus	Not reported	Vespertilionidae	Asia	South Korea

Myotis ikonnikovi	64	Vespertilionidae	Asia	South Korea
Myotis macrodactylus	59	Vespertilionidae	Asia	South Korea
Myotis petax	53	Vespertilionidae	Asia	South Korea
Myotis rufoniger	Not reported	Vespertilionidae	Asia	South Korea
Pipistrellus abramus	171	Vespertilionidae	Asia	South Korea
Plecotus ognevi	Not reported	Vespertilionidae	Asia	South Korea
Vespertilio sinensis	Not reported	Vespertilionidae	Asia	South Korea
Tadarida teniotis	3	Molossidae	Europe	Italy
Rhinolophus hipposideros	6	Rhinolophidae	Europe	Italy
Hypsugo savii	3	Vespertilionidae	Europe	Italy
Nyctalus noctula	3	Vespertilionidae	Europe	Italy
Pipistrellus kuhlii	96	Vespertilionidae	Europe	Italy
Plecotus auritus	3	Vespertilionidae	Europe	Italy
Vespertilio murinus	3	Vespertilionidae	Europe	Italy
Eidolon helvum	79	Pteropodidae	Africa	Nigeria
Myotis nattereri	Not reported	Vespertilionidae	Europe	Italy
Pipistrellus kuhlii	Not reported	Vespertilionidae	Europe	Italy
Miniopterus schreibersii	1	Miniopteridae	Asia	China
Cynopterus sphinx	27	Pteropodidae	Asia	China
Rousettus leschenaultii	265	Pteropodidae	Asia	China
Rhinolophus ferrumequinum	8	Rhinolophidae	Asia	China
Rhinolophus macrotis	11	Rhinolophidae	Asia	China
Rhinolophus pearsonii	41	Rhinolophidae	Asia	China
Rhinolophus pusillus	23	Rhinolophidae	Asia	China
Myotis altarium	1	Vespertilionidae	Asia	China
Myotis ricketti	42	Vespertilionidae	Asia	China
Nyctalus plancyi	1	Vespertilionidae	Asia	China
Hipposideros pomona	Not reported	Hipposideridae	Asia	China
Hipposideros pratti	Not reported	Hipposideridae	Asia	China
Miniopterus schreibersii	Not reported	Miniopteridae	Asia	China
Cynopterus sphinx	Not reported	Pteropodidae	Asia	China
Rousettus leschenaultii	Not reported	Pteropodidae	Asia	China
Rhinolophus affinis	Not reported	Rhinolophidae	Asia	China
Rhinolophus pusillus	Not reported	Rhinolophidae	Asia	China
Rhinolophus sinicus	Not reported	Rhinolophidae	Asia	China
Scotophilus kuhlii	Not reported	Vespertilionidae	Asia	China
Hipposideros armiger	Not reported	Hipposideridae	Asia	China
Miniopterus schreibersii	Not reported	Miniopteridae	Asia	China
Rhinolophus affinis	Not reported	Rhinolophidae	Asia	China
Rhinolophus blythi	Not reported	Rhinolophidae	Asia	China
Rhinolophus pusillus	Not reported	Rhinolophidae	Asia	China
Tadarida brasiliensis	50	Molossidae	America	USA
Corynorhinus townsendii	2	Vespertilionidae	America	USA
Myotis yumanensis	11	Vespertilionidae	America	USA
Hipposideros armiger	421	Hipposideridae	Asia	China
Miniopterus schreibersii	78	Miniopteridae	Asia	China
Cynopterus sphinx	1	Pteropodidae	Asia	China
Eonycteris spelaea	1	Pteropodidae	Asia	China
Rhinolophus pusillus	356	Rhinolophidae	Asia	China
Rhinolophus sinicus	2	Rhinolophidae	Asia	China
Myotis ricketti	42	Vespertilionidae	Asia	China
Pipistrellus abramus	12	Vespertilionidae	Asia	China
Pipistrellus minus	13	Vespertilionidae	Asia	China
Tylonycteris pachypus	78	Vespertilionidae	Asia	China
Cynopterus brachyotis	774	Pteropodidae	Asia	Singapore

Eonycteris spelaea	7884	Pteropodidae	Asia	Singapore
Molossus molossus	Not reported	Molossidae	America	Brazil
Tadarida brasiliensis	Not reported	Molossidae	America	Brazil
Aselliscus stoliczkanus	2	Hipposideridae	Asia	China
Hipposideros armiger	35	Hipposideridae	Asia	China
Miniopterus schreibersii	198	Miniopteridae	Asia	China
Rhinolophus affinis	3	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	183	Rhinolophidae	Asia	China
Rhinolophus luctus	3	Rhinolophidae	Asia	China
Rhinolophus macrotis	1	Rhinolophidae	Asia	China
Rhinolophus monoceros	119	Rhinolophidae	Asia	China
Rhinolophus pearsonii	58	Rhinolophidae	Asia	China
Rhinolophus pusillus	154	Rhinolophidae	Asia	China
Rhinolophus rex	23	Rhinolophidae	Asia	China
Rhinolophus sinicus	219	Rhinolophidae	Asia	China
Rhinolophus thomasi	1	Rhinolophidae	Asia	China
Barbastella beijingensis	2	Vespertilionidae	Asia	China
Hypsugo savii	1	Vespertilionidae	Asia	China
Murina leucogaster	42	Vespertilionidae	Asia	China
Myotis davidii	11	Vespertilionidae	Asia	China
Myotis ricketti	1	Vespertilionidae	Asia	China
Myotis siligorensis	4	Vespertilionidae	Asia	China
Plecotus auritus	4	Vespertilionidae	Asia	China
Miniopterus fuliginosus	Not reported	Miniopteridae	Asia	South Korea
Miniopterus schreibersii	Not reported	Miniopteridae	Asia	South Korea
Rhinolophus ferrumequinum	Not reported	Rhinolophidae	Asia	South Korea
Hypsugo alaschanicus	Not reported	Vespertilionidae	Asia	South Korea
Myotis bombinus	Not reported	Vespertilionidae	Asia	South Korea
Myotis macrodactylus	Not reported	Vespertilionidae	Asia	South Korea
Myotis petax	Not reported	Vespertilionidae	Asia	South Korea
Hipposideros armiger	107	Hipposideridae	Asia	China
Hipposideros larvatus	28	Hipposideridae	Asia	China
Hipposideros pomona	18	Hipposideridae	Asia	China
Hipposideros pratti	55	Hipposideridae	Asia	China
Miniopterus schreibersii	1	Miniopteridae	Asia	China
Chaerephon plicatus	6	Molossidae	Asia	China
Cynopterus sphinx	39	Pteropodidae	Asia	China
Rhinolophus luctus	3	Rhinolophidae	Asia	China
Rhinolophus macrotis	3	Rhinolophidae	Asia	China
Rhinolophus pearsonii	25	Rhinolophidae	Asia	China
Rhinolophus pusillus	15	Rhinolophidae	Asia	China
Rhinolophus rex	8	Rhinolophidae	Asia	China
Rhinolophus sinicus	73	Rhinolophidae	Asia	China
la io	53	Vespertilionidae	Asia	China
Myotis adversus	9	Vespertilionidae	Asia	China
Myotis altarium	2	Vespertilionidae	Asia	China
Myotis chinensis	21	Vespertilionidae	Asia	China
Myotis daubentonii	57	Vespertilionidae	Asia	China
Myotis longipes	17	Vespertilionidae	Asia	China
Myotis ricketti	47	Vespertilionidae	Asia	China
Nyctalus plancyi	1	Vespertilionidae	Asia	China
Pipistrellus abramus	75	Vespertilionidae	Asia	China
Pipistrellus minus	7	Vespertilionidae	Asia	China
Pipistrellus pipistrellus	42	Vespertilionidae	Asia	China
Scotomanes ornatus	3	Vespertilionidae	Asia	China

Scotophilus kuhlii	3	Vespertilionidae	Asia	China
Tylonycteris pachypus	70	Vespertilionidae	Asia	China
Vespertilio murinus	3	Vespertilionidae	Asia	China
Vespertilio superans	159	Vespertilionidae	Asia	China
Eonycteris spelaea	Not reported	Pteropodidae	Asia	China
Rousettus leschenaultii	Not reported	Pteropodidae	Asia	China
Coleura afra	23	Emballonuridae	Africa	Gabon
Taphozous mauritanus	8	Emballonuridae	Africa	Central African R
Hipposideros cf. ruber	387	Hipposideridae	Africa	Gabon
Hipposideros gigas	230	Hipposideridae	Africa	Gabon, Central A
Miniopterus inflatus	52	Miniopteridae	Africa	Gabon
Mops condylurus	160	Molossidae	Africa	Central African R
Eidolon helvum	361	Pteropodidae	Africa	Gabon, Senegal,
Epomophorus gambianus	34	Pteropodidae	Africa	Senegal, Central
Epomops franqueti	725	Pteropodidae	Africa	Gabon, Republic
Hypsignathus monstrosus	110	Pteropodidae	Africa	Gabon, Republic
Megaloglossus woermanni	55	Pteropodidae	Africa	Gabon, Republic
Micropteropus pusillus	705	Pteropodidae	Africa	Gabon, Republic
Myonycteris torquata	518	Pteropodidae	Africa	Gabon, Republic
Rousettus aegyptiacus	495	Pteropodidae	Africa	Gabon, Republic
Rhinolophus cf. alcyone	15	Rhinolophidae	Africa	Gabon
Neoromicia tenuipinnis	4	Vespertilionidae	Africa	Central African R
Coleura afra	112	Emballonuridae	Africa	Gabon
Hipposideros cf. ruber	262	Hipposideridae	Africa	Gabon
Hipposideros gigas	156	Hipposideridae	Africa	Gabon
Miniopterus inflatus	249	Miniopteridae	Africa	Gabon
Rousettus aegyptiacus	287	Pteropodidae	Africa	Gabon
Hipposideros ruber	2	Hipposideridae	Africa	Rwanda
Otomops martiensseni	15	Molossidae	Africa	Rwanda
Rousettus aegyptiacus	72	Pteropodidae	Africa	Rwanda
Rhinolophus clivosus	2	Rhinolophidae	Africa	Rwanda
Taphozous perforatus	297	Emballonuridae	Asia	Saudi Arabia
Eidolon helvum	82	Pteropodidae	Asia	Saudi Arabia
Rousettus aegyptiacus	9	Pteropodidae	Asia	Saudi Arabia
Rhinopoma hardwickii	299	Rhinopomatidae	Asia	Saudi Arabia
Rhinopoma microphyllum	2	Rhinopomatidae	Asia	Saudi Arabia
Eptesicus bottae	35	Vespertilionidae	Asia	Saudi Arabia
Pipistrellus kuhlii	279	Vespertilionidae	Asia	Saudi Arabia
Cynopterus brachyotis	144	Pteropodidae	Asia	Singapore
Eonycteris spelaea	169	Pteropodidae	Asia	Singapore
Macroglossus minimus	2	Pteropodidae	Asia	Singapore
Penthetor lucasi	79	Pteropodidae	Asia	Singapore
Rhinolophus lepidus	36	Rhinolophidae	Asia	Singapore
Eonycteris spelaea	Not reported	Pteropodidae	Asia	Singapore
Taphozous perforatus	17	Emballonuridae	Asia	Saudi Arabia
Eidolon helvum	24	Pteropodidae	Asia	Saudi Arabia
Rousettus aegyptiacus	2	Pteropodidae	Asia	Saudi Arabia
Rhinopoma hardwickii	29	Rhinopomatidae	Asia	Saudi Arabia
Myotis lucifugus	31	Vespertilionidae	America	Canada
Miniopterus schreibersii	5	Miniopteridae	Europe	France
Rhinolophus euryale	3	Rhinolophidae	Europe	France
Rhinolophus ferrumequinum	2	Rhinolophidae	Europe	France
Rhinolophus hipposideros	8	Rhinolophidae	Europe	France
Barbastella barbastellus	4	Vespertilionidae	Europe	France
Eptesicus nilssonii	1	Vespertilionidae	Europe	France

<i>Eptesicus serotinus</i>	26	Vespertilionidae	Europe	France
<i>Myotis bechsteinii</i>	3	Vespertilionidae	Europe	France
<i>Myotis blythii</i>	1	Vespertilionidae	Europe	France
<i>Myotis daubentonii</i>	2	Vespertilionidae	Europe	France
<i>Myotis emarginatus</i>	13	Vespertilionidae	Europe	France
<i>Myotis myotis</i>	1	Vespertilionidae	Europe	France
<i>Myotis mystacinus</i>	5	Vespertilionidae	Europe	France
<i>Myotis nattereri</i>	1	Vespertilionidae	Europe	France
<i>Nyctalus leisleri</i>	15	Vespertilionidae	Europe	France
<i>Nyctalus noctula</i>	2	Vespertilionidae	Europe	France
<i>Pipistrellus kuhlii</i>	40	Vespertilionidae	Europe	France
<i>Pipistrellus nathusii</i>	27	Vespertilionidae	Europe	France
<i>Pipistrellus pipistrellus</i>	247	Vespertilionidae	Europe	France
<i>Pipistrellus pygmaeus</i>	23	Vespertilionidae	Europe	France
<i>Plecotus auritus</i>	15	Vespertilionidae	Europe	France
<i>Plecotus austriacus</i>	10	Vespertilionidae	Europe	France
<i>Vespertilio murinus</i>	2	Vespertilionidae	Europe	France
<i>Coleura afra</i>	Not reported	Emballonuridae	Africa	Rwanda, Tanzani
<i>Taphozous mauritanus</i>	Not reported	Emballonuridae	Africa	Rwanda, Tanzani
<i>Chaerephon pumilus</i>	Not reported	Molossidae	Africa	Rwanda, Tanzani
<i>Mops condylurus</i>	Not reported	Molossidae	Africa	Rwanda, Tanzani
<i>Nycteris cf. thebaica</i>	Not reported	Nycteridae	Africa	Rwanda, Tanzani
<i>Eidolon helvum</i>	Not reported	Pteropodidae	Africa	Rwanda, Tanzani
<i>Lissonycteris angolensis</i>	Not reported	Pteropodidae	Africa	Rwanda, Tanzani
<i>Rousettus aegyptiacus</i>	Not reported	Pteropodidae	Africa	Rwanda, Tanzani
<i>Rhinolophus cf. clivus</i>	Not reported	Rhinolophidae	Africa	Rwanda, Tanzani
<i>Trienops persicus</i>	Not reported	Rhinonycteridae	Africa	Rwanda, Tanzani
<i>Neoromicia nana</i>	Not reported	Vespertilionidae	Africa	Rwanda, Tanzani
<i>Pipistrellus cf. hesperidus</i>	Not reported	Vespertilionidae	Africa	Rwanda, Tanzani
<i>Saccopteryx bilineata</i>	2	Emballonuridae	America	Costa Rica
<i>Eumops glaucinus</i>	1	Molossidae	America	Costa Rica
<i>Molossus rufus</i>	5	Molossidae	America	Costa Rica
<i>Molossus sinaloae</i>	65	Molossidae	America	Costa Rica
<i>Pteronotus gymnotus</i>	2	Mormoopidae	America	Costa Rica
<i>Pteronotus parnellii</i>	14	Mormoopidae	America	Costa Rica
<i>Noctilio albiventris</i>	5	Noctilionidae	America	Costa Rica
<i>Anoura cultrata</i>	1	Phyllostomidae	America	Costa Rica
<i>Artibeus jamaicensis</i>	76	Phyllostomidae	America	Costa Rica
<i>Artibeus lituratus</i>	7	Phyllostomidae	America	Costa Rica
<i>Artibeus phaeotis</i>	1	Phyllostomidae	America	Costa Rica
<i>Artibeus watsoni</i>	8	Phyllostomidae	America	Costa Rica
<i>Carollia castanea</i>	16	Phyllostomidae	America	Costa Rica
<i>Carollia perspicillata</i>	49	Phyllostomidae	America	Costa Rica
<i>Carollia sowelli</i>	18	Phyllostomidae	America	Costa Rica
<i>Carollia subrufa</i>	6	Phyllostomidae	America	Costa Rica
<i>Desmodus rotundus</i>	27	Phyllostomidae	America	Costa Rica
<i>Glossophaga commissarisi</i>	7	Phyllostomidae	America	Costa Rica
<i>Glossophaga soricina</i>	21	Phyllostomidae	America	Costa Rica
<i>Hylonycteris underwoodi</i>	2	Phyllostomidae	America	Costa Rica
<i>Lamproncycteris brachyotis</i>	2	Phyllostomidae	America	Costa Rica
<i>Lonchorhina aurita</i>	1	Phyllostomidae	America	Costa Rica
<i>Lophostoma brasiliense</i>	2	Phyllostomidae	America	Costa Rica
<i>Lophostoma silviculum</i>	1	Phyllostomidae	America	Costa Rica
<i>Micronycteris microtis</i>	1	Phyllostomidae	America	Costa Rica
<i>Platyrrhinus helleri</i>	2	Phyllostomidae	America	Costa Rica

Platyrrhinus vittatus	2	Phyllostomidae	America	Costa Rica
Sturnira lilium	6	Phyllostomidae	America	Costa Rica
Sturnira ludovici	11	Phyllostomidae	America	Costa Rica
Sturnira mordax	1	Phyllostomidae	America	Costa Rica
Tonatia saurophila	1	Phyllostomidae	America	Costa Rica
Trachops cirrhosus	3	Phyllostomidae	America	Costa Rica
Uroderma bilobatum	7	Phyllostomidae	America	Costa Rica
Vampyriscus nymphaea	6	Phyllostomidae	America	Costa Rica
Eptesicus brasiliensis	10	Vespertilionidae	America	Costa Rica
Eptesicus furinalis	3	Vespertilionidae	America	Costa Rica
Eptesicus fuscus	3	Vespertilionidae	America	Costa Rica
Myotis elegans	1	Vespertilionidae	America	Costa Rica
Myotis nigricans	4	Vespertilionidae	America	Costa Rica
Rhogeessa io	1	Vespertilionidae	America	Costa Rica
Rhogeessa tumida	3	Vespertilionidae	America	Costa Rica
Hypsugo savii	1	Vespertilionidae	Europe	Italy
Pipistrellus kuhlii	1	Vespertilionidae	Europe	Italy
Rhinolophus cornutus	4	Rhinolophidae	Asia	China
Miniopterus fuliginosus	Not reported	Miniopteridae	Asia	Sri Lanka
Rousettus leschenaultii	Not reported	Pteropodidae	Asia	Sri Lanka
Chiroptera (unspecified species)	1	.	Africa	Cameroon
Coleura afra	2	Emballonuridae	Africa	Cameroon
Taphozous mauritanus	4	Emballonuridae	Africa	Cameroon
Hipposideros beatus	2	Hipposideridae	Africa	Cameroon
Hipposideros caffer	165	Hipposideridae	Africa	Cameroon
Hipposideros curtus	7	Hipposideridae	Africa	Cameroon
Hipposideros cyclops	37	Hipposideridae	Africa	Cameroon
Hipposideros fuliginosus	6	Hipposideridae	Africa	Cameroon
Hipposideros ruber	653	Hipposideridae	Africa	Cameroon
Hipposideros sp.	2	Hipposideridae	Africa	Cameroon
Macronycteris gigas	163	Hipposideridae	Africa	Cameroon
Lavia frons	3	Megadermatidae	Africa	Cameroon
Miniopterus inflatus	2	Miniopteridae	Africa	Cameroon
Miniopterus schreibersii	1	Miniopteridae	Africa	Cameroon
Chaerephon major	1	Molossidae	Africa	Cameroon
Chaerephon pumilus	31	Molossidae	Africa	Cameroon
Molossidae	1	Molossidae	Africa	Cameroon
Mops condylurus	175	Molossidae	Africa	Cameroon
Mops demonstrator	7	Molossidae	Africa	Cameroon
Nycteris grandis	23	Nycteridae	Africa	Cameroon
Nycteris hispida	23	Nycteridae	Africa	Cameroon
Nycteris major	1	Nycteridae	Africa	Cameroon
Nycteris thebaica	1	Nycteridae	Africa	Cameroon
Casinycteris argynnis	2	Pteropodidae	Africa	Cameroon
Eidolon helvum	267	Pteropodidae	Africa	Cameroon
Epomophorus gambianus	32	Pteropodidae	Africa	Cameroon
Epomops franqueti	206	Pteropodidae	Africa	Cameroon
Hypsignathus monstrosus	7	Pteropodidae	Africa	Cameroon
Lissonycteris angolensis	62	Pteropodidae	Africa	Cameroon
Megaloglossus woermanni	184	Pteropodidae	Africa	Cameroon
Micropteropus pusillus	137	Pteropodidae	Africa	Cameroon
Myonycteris torquata	37	Pteropodidae	Africa	Cameroon
Nanonycteris veldkampii	3	Pteropodidae	Africa	Cameroon
Rousettus aegyptiacus	200	Pteropodidae	Africa	Cameroon
Scotonycteris zenkeri	6	Pteropodidae	Africa	Cameroon



Rhinolophus alcyone	4	Rhinolophidae	Africa	Cameroon
Rhinolophus cf. alcyone	1	Rhinolophidae	Africa	Cameroon
Rhinolophus fumigatus	1	Rhinolophidae	Africa	Cameroon
Rhinolophus landeri	19	Rhinolophidae	Africa	Cameroon
Rhinopoma microphyllum	1	Rhinopomatidae	Africa	Cameroon
Glauconycteris poensis	2	Vespertilionidae	Africa	Cameroon
Hypsugo musciculus	6	Vespertilionidae	Africa	Cameroon
Kerivoula cuprosa	5	Vespertilionidae	Africa	Cameroon
Kerivoula sp.	2	Vespertilionidae	Africa	Cameroon
Neoromicia capensis	3	Vespertilionidae	Africa	Cameroon
Neoromicia nana	2	Vespertilionidae	Africa	Cameroon
Neoromicia tenuipinnis	13	Vespertilionidae	Africa	Cameroon
Nycticeinops schlieffeni	3	Vespertilionidae	Africa	Cameroon
Pipistrellus inexpectatus	4	Vespertilionidae	Africa	Cameroon
Pipistrellus nanulus	8	Vespertilionidae	Africa	Cameroon
Pipistrellus rusticus	2	Vespertilionidae	Africa	Cameroon
Scotoecus hirundo	1	Vespertilionidae	Africa	Cameroon
Scotophilus dinganii	12	Vespertilionidae	Africa	Cameroon
Scotophilus leucogaster	33	Vespertilionidae	Africa	Cameroon
Scotophilus nux	3	Vespertilionidae	Africa	Cameroon
Vespertilionidae	2	Vespertilionidae	Africa	Cameroon
Hipposideros caffer	16	Hipposideridae	Africa	Rwanda
Hipposideros ruber	2	Hipposideridae	Africa	Rwanda
Chaerephon pumilus	11	Molossidae	Africa	Rwanda
Mops condylurus	130	Molossidae	Africa	Rwanda
Nycteris hispida	3	Nycteridae	Africa	Rwanda
Eidolon helvum	111	Pteropodidae	Africa	Rwanda
Epomophorus labiatus	97	Pteropodidae	Africa	Rwanda
Myonycteris angolensis	29	Pteropodidae	Africa	Rwanda
Rousettus aegyptiacus	36	Pteropodidae	Africa	Rwanda
Stenonycteris lanosus	6	Pteropodidae	Africa	Rwanda
Rhinolophus clivosus	24	Rhinolophidae	Africa	Rwanda
Neoromicia cf. zuluensis	8	Vespertilionidae	Africa	Rwanda
Neoromicia tenuipinnis	6	Vespertilionidae	Africa	Rwanda
Scotophilus viridis	6	Vespertilionidae	Africa	Rwanda
Rousettus leschenaultii	568	Pteropodidae	Asia	China
Tadarida brasiliensis	13	Molossidae	America	USA
Antrozous pallidus	13	Vespertilionidae	America	USA
Corynorhinus townsendii	4	Vespertilionidae	America	USA
Eptesicus fuscus	494	Vespertilionidae	America	USA
Euderma maculatum	3	Vespertilionidae	America	USA
Lasionycteris noctivagans	42	Vespertilionidae	America	USA
Lasiurus cinereus	39	Vespertilionidae	America	USA
Myotis californicus	8	Vespertilionidae	America	USA
Myotis ciliolabrum	29	Vespertilionidae	America	USA
Myotis evotis	52	Vespertilionidae	America	USA
Myotis lucifugus	31	Vespertilionidae	America	USA
Myotis occultus	22	Vespertilionidae	America	USA
Myotis thysanodes	22	Vespertilionidae	America	USA
Myotis volans	147	Vespertilionidae	America	USA
Myotis yumanensis	18	Vespertilionidae	America	USA
Parastrellus hesperus	14	Vespertilionidae	America	USA
Eonycteris spelaea	344	Pteropodidae	Asia	Singapore
Eonycteris spelaea	206	Pteropodidae	Asia	Singapore
Rhinolophus ferrumequinum	Not reported	Rhinolophidae	Europe	Luxembourg

Myotis emarginatus	Not reported	Vespertilionidae	Europe	Luxembourg
Coleura afra	33	Emballonuridae	Africa	Ghana
Hipposideros abae	16	Hipposideridae	Africa	Ghana
Hipposideros cf. ruber	59	Hipposideridae	Africa	Ghana
Nycteris hispida	1	Nycteridae	Africa	Ghana
Eidolon helvum	212	Pteropodidae	Africa	Ghana
Glauconycteris beatrix	1	Vespertilionidae	Africa	Ghana
Pipistrellus deserti	1	Vespertilionidae	Africa	Ghana
Pipistrellus nanulus	1	Vespertilionidae	Africa	Ghana
Pipistrellus nanulus	5	Vespertilionidae	Africa	Ghana
Hipposideros armiger	4	Hipposideridae	Asia	China
Hipposideros pomona	3	Hipposideridae	Asia	China
Miniopterus magnater	16	Miniopteridae	Asia	China
Miniopterus pusillus	19	Miniopteridae	Asia	China
Miniopterus schreibersii	4	Miniopteridae	Asia	China
Cynopterus sphinx	15	Pteropodidae	Asia	China
Rhinolophus affinis	2	Rhinolophidae	Asia	China
Rhinolophus pusillus	1	Rhinolophidae	Asia	China
Rhinolophus rouxii	6	Rhinolophidae	Asia	China
Myotis myotis	3	Vespertilionidae	Asia	China
Myotis ricketti	5	Vespertilionidae	Asia	China
Pipistrellus abramus	3	Vespertilionidae	Asia	China
Austronomus australis	9	Molossidae	Oceania	Australia
Chalinolobus gouldii	232	Vespertilionidae	Oceania	Australia
Chalinolobus morio	45	Vespertilionidae	Oceania	Australia
Falsistrellus mackenziei	11	Vespertilionidae	Oceania	Australia
Nyctophilus geoffroyi	51	Vespertilionidae	Oceania	Australia
Nyctophilus gouldi	56	Vespertilionidae	Oceania	Australia
Nyctophilus major	10	Vespertilionidae	Oceania	Australia
Scotorepens balstoni	9	Vespertilionidae	Oceania	Australia
Vespadelus baverstocki	4	Vespertilionidae	Oceania	Australia
Vespadelus regulus	141	Vespertilionidae	Oceania	Australia
Hipposideros commersoni	Not reported	Hipposideridae	Africa	Nigeria
Eidolon helvum	Not reported	Pteropodidae	Africa	Nigeria
Rousettus aegyptiacus	Not reported	Pteropodidae	Africa	Nigeria
Scotophilus leucogaster	Not reported	Vespertilionidae	Africa	Nigeria
Scotophilus nigrita	Not reported	Vespertilionidae	Africa	Nigeria
Eidolon dupreanum	96	Pteropodidae	Africa	Madagascar
Pteropus rufus	76	Pteropodidae	Africa	Madagascar
Rousettus madagascariensis	179	Pteropodidae	Africa	Madagascar
Eptesicus serotinus	1	Vespertilionidae	Europe	Netherlands
Myotis bechsteinii	4	Vespertilionidae	Europe	Netherlands
Myotis brandtii	2	Vespertilionidae	Europe	Netherlands
Myotis dasycneme	105	Vespertilionidae	Europe	Netherlands
Myotis daubentonii	50	Vespertilionidae	Europe	Netherlands
Myotis emarginatus	6	Vespertilionidae	Europe	Netherlands
Myotis myotis	1	Vespertilionidae	Europe	Netherlands
Myotis mystacinus	3	Vespertilionidae	Europe	Netherlands
Myotis nattereri	2	Vespertilionidae	Europe	Netherlands
Nyctalus noctula	14	Vespertilionidae	Europe	Netherlands
Pipistrellus nathusii	8	Vespertilionidae	Europe	Netherlands
Pipistrellus pipistrellus	8	Vespertilionidae	Europe	Netherlands
Plecotus auritus	7	Vespertilionidae	Europe	Netherlands
Rhinolophus hipposideros	13	Rhinolophidae	Europe	Slovenia
Eptesicus serotinus	1	Vespertilionidae	Europe	Slovenia

Myotis daubentonii	9	Vespertilionidae	Europe	Slovenia
Myotis myotis	21	Vespertilionidae	Europe	Slovenia
Myotis mystacinus	3	Vespertilionidae	Europe	Slovenia
Pipistrellus kuhlii	2	Vespertilionidae	Europe	Slovenia
Pipistrellus nathusii	2	Vespertilionidae	Europe	Slovenia
Rhinolophus ferrumequinum	38	Rhinolophidae	Europe	Italy
Rhinolophus hipposideros	1	Rhinolophidae	Europe	Italy
Barbastella barbastellus	17	Vespertilionidae	Europe	Italy
Hypsugo savii	5	Vespertilionidae	Europe	Italy
Myotis bechsteinii	1	Vespertilionidae	Europe	Italy
Myotis brandtii	1	Vespertilionidae	Europe	Italy
Myotis daubentonii	24	Vespertilionidae	Europe	Italy
Myotis emarginatus	29	Vespertilionidae	Europe	Italy
Myotis myotis	43	Vespertilionidae	Europe	Italy
Myotis mystacinus	3	Vespertilionidae	Europe	Italy
Myotis nattereri	22	Vespertilionidae	Europe	Italy
Myotis oxygnathus	23	Vespertilionidae	Europe	Italy
Nyctalus leisleri	1	Vespertilionidae	Europe	Italy
Pipistrellus kuhlii	56	Vespertilionidae	Europe	Italy
Pipistrellus nathusii	2	Vespertilionidae	Europe	Italy
Pipistrellus pipistrellus	20	Vespertilionidae	Europe	Italy
Plecotus auritus	14	Vespertilionidae	Europe	Italy
Plecotus austriacus	1	Vespertilionidae	Europe	Italy
Plecotus macrobullaris	1	Vespertilionidae	Europe	Italy
Hipposideros cervinus	76	Hipposideridae	Asia	Malaysia
Hipposideros dyacorum	34	Hipposideridae	Asia	Malaysia
Rhinolophus borneensis	20	Rhinolophidae	Asia	Malaysia
Rhinolophus sedulus	18	Rhinolophidae	Asia	Malaysia
Rhinolophus trifolius	46	Rhinolophidae	Asia	Malaysia
Kerivoula hardwickii	72	Vespertilionidae	Asia	Malaysia
Kerivoula intermedia	89	Vespertilionidae	Asia	Malaysia
Kerivoula papillosa	10	Vespertilionidae	Asia	Malaysia
Taphozous perforatus	82	Emballonuridae	Africa	Egypt
Miniopterus schreibersii	6	Miniopteridae	Asia	Lebanon
Rousettus aegyptiacus	695	Pteropodidae	Africa, Asia	Lebanon, Egypt
Rhinolophus ferrumequinum	3	Rhinolophidae	Asia	Lebanon
Rhinolophus hipposideros	4	Rhinolophidae	Asia	Lebanon
Pipistrellus deserti	31	Vespertilionidae	Africa	Egypt
Miniopterus fuliginosus	Not reported	Miniopteridae	Asia	Japan
Hipposideros armiger	2	Hipposideridae	Asia	Taiwan
Hipposideros ater	56	Hipposideridae	Oceania	Australia
Macroderma gigas	57	Megadermatidae	Oceania	Australia
Miniopterus australis	204	Miniopteridae	Oceania	Australia
Miniopterus schreibersii	297	Miniopteridae	Oceania	Australia
Mormopterus beccarii	3	Molossidae	Oceania	Australia
Mormopterus norfolkensis	1	Molossidae	Oceania	Australia
Pteropus alecto	33	Pteropodidae	Oceania	Australia
Pteropus poliocephalus	27	Pteropodidae	Oceania	Australia
Rousettus amplexicaudatus	6	Pteropodidae	Asia	Indonesia
Rhinolophus megaphyllus	506	Rhinolophidae	Oceania	Australia
Rhinolophus monoceros	41	Rhinolophidae	Oceania	Australia
Rhinonictes aurantia	126	Rhinonycteridae	Oceania	Australia
Myotis macropus	95	Vespertilionidae	Oceania	Australia
Nyctophilus bifax	6	Vespertilionidae	Oceania	Australia
Nyctophilus gouldi	7	Vespertilionidae	Oceania	Australia

Scotorepens greyii	1	Vespertilionidae	Oceania	Australia
Scotorepens rueppellii	1	Vespertilionidae	Oceania	Australia
Vespadelus pumilus	4	Vespertilionidae	Oceania	Australia
Vespadelus troughtoni	31	Vespertilionidae	Oceania	Australia
Scotophilus kuhlii	51	Vespertilionidae	Asia	Taiwan
Myotis lucifugus	Not reported	Vespertilionidae	America	Canada
Rhinolophus cornutus	27	Rhinolophidae	Asia	Japan
Rhinolophus ferrumequinum	6	Rhinolophidae	Asia	Japan
Murina ussuriensis	1	Vespertilionidae	Asia	Japan
Myotis macrodactylus	4	Vespertilionidae	Asia	Japan
Cynopterus brachyotis	16	Pteropodidae	Asia	Philippines
Macroglossus minimus	7	Pteropodidae	Asia	Philippines
Ptenochirus jagori	16	Pteropodidae	Asia	Philippines
Rousettus amplexicaudatus	10	Pteropodidae	Asia	Philippines
Aselliscus stoliczkanus	8	Hipposideridae	Asia	China
Coelops frithii	8	Hipposideridae	Asia	China
Hipposideros armiger	71	Hipposideridae	Asia	China
Hipposideros larvatus	4	Hipposideridae	Asia	China
Hipposideros pomona	2	Hipposideridae	Asia	China
Hipposideros pratti	11	Hipposideridae	Asia	China
Miniopterus schreibersii	150	Miniopteridae	Asia	China
Cynopterus sphinx	8	Pteropodidae	Asia	China
Rousettus leschenaultii	32	Pteropodidae	Asia	China
Rhinolophus affinis	69	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	52	Rhinolophidae	Asia	China
Rhinolophus luctus	8	Rhinolophidae	Asia	China
Rhinolophus macrotis	49	Rhinolophidae	Asia	China
Rhinolophus malayanus	17	Rhinolophidae	Asia	China
Rhinolophus osgoodi	2	Rhinolophidae	Asia	China
Rhinolophus pearsonii	58	Rhinolophidae	Asia	China
Rhinolophus pusillus	128	Rhinolophidae	Asia	China
Rhinolophus rex	2	Rhinolophidae	Asia	China
Rhinolophus sinicus	82	Rhinolophidae	Asia	China
Rhinolophus thomasi	17	Rhinolophidae	Asia	China
Barbastella leucomelas	2	Vespertilionidae	Asia	China
Ia io	9	Vespertilionidae	Asia	China
Murina leucogaster	6	Vespertilionidae	Asia	China
Myotis chinensis	5	Vespertilionidae	Asia	China
Myotis daubentonii	45	Vespertilionidae	Asia	China
Myotis davidii	2	Vespertilionidae	Asia	China
Myotis ricketti	61	Vespertilionidae	Asia	China
Nyctalus aviator	8	Vespertilionidae	Asia	China
Nyctalus noctula	20	Vespertilionidae	Asia	China
Pipistrellus abramus	49	Vespertilionidae	Asia	China
Pipistrellus pipistrellus	31	Vespertilionidae	Asia	China
Scotomanes ornatus	2	Vespertilionidae	Asia	China
Scotophilus kuhlii	45	Vespertilionidae	Asia	China
Tylonycteris pachypus	15	Vespertilionidae	Asia	China
Coleura afra	85	Emballonuridae	Africa	Kenya
Hipposideros vittatus	123	Hipposideridae	Africa	Kenya
Cardioderma cor	8	Megadermatidae	Africa	Kenya
Miniopterus africanus	1	Miniopteridae	Africa	Kenya
Miniopterus inflatus	2	Miniopteridae	Africa	Kenya
Miniopterus minor	292	Miniopteridae	Africa	Kenya
Miniopterus natalensis	53	Miniopteridae	Africa	Kenya

Chaerephon pumilus	8	Molossidae	Africa	Kenya
Otomops martiensseni	35	Molossidae	Africa	Kenya
Eidolon helvum	181	Pteropodidae	Africa	Kenya
Epomophorus labiatus	35	Pteropodidae	Africa	Kenya
Epomophorus wahlbergi	63	Pteropodidae	Africa	Kenya
Lissonycteris angolensis	9	Pteropodidae	Africa	Kenya
Rousettus aegyptiacus	397	Pteropodidae	Africa	Kenya
Rhinolophus hildebrandtii	16	Rhinolophidae	Africa	Kenya
Rhinolophus landeri	58	Rhinolophidae	Africa	Kenya
Triadenops afer	30	Rhinonycteridae	Africa	Kenya
Neoromicia tenuipinnis	33	Vespertilionidae	Africa	Kenya
Scotophilus dinganii	14	Vespertilionidae	Africa	Kenya
Aselliscus stoliczkanus	40	Hipposideridae	Asia	Laos
Hipposideros cineraceus	17	Hipposideridae	Asia	Laos
Hipposideros gentilis	63	Hipposideridae	Asia	Laos
Hipposideros khaokhouayensis	16	Hipposideridae	Asia	Laos
Hipposideros larvatus	47	Hipposideridae	Asia	Laos
Hipposideros rotalis	1	Hipposideridae	Asia	Laos
Megaderma spasma	11	Megadermatidae	Asia	Laos
Chaerephon plicatus	45	Molossidae	Asia	Laos
Cynopterus horsfieldii	2	Pteropodidae	Asia	Laos
Cynopterus sphinx	12	Pteropodidae	Asia	Laos
Eonycteris spelaea	11	Pteropodidae	Asia	Laos
Macroglossus sobrinus	60	Pteropodidae	Asia	Laos
Megaerops niphanae	2	Pteropodidae	Asia	Laos
Sphaerias blanfordi	1	Pteropodidae	Asia	Laos
Rhinolophus affinis	2	Rhinolophidae	Asia	Laos
Rhinolophus coelophyllus	12	Rhinolophidae	Asia	Laos
Rhinolophus luctus	1	Rhinolophidae	Asia	Laos
Rhinolophus malayanus	57	Rhinolophidae	Asia	Laos
Rhinolophus marshalli	1	Rhinolophidae	Asia	Laos
Rhinolophus microglobosus	7	Rhinolophidae	Asia	Laos
Rhinolophus pearsonii	66	Rhinolophidae	Asia	Laos
Rhinolophus pusillus	18	Rhinolophidae	Asia	Laos
Rhinolophus rex	2	Rhinolophidae	Asia	Laos
Rhinolophus shameli	1	Rhinolophidae	Asia	Laos
Rhinolophus siamensis	10	Rhinolophidae	Asia	Laos
Rhinolophus sp.	2	Rhinolophidae	Asia	Laos
Rhinolophus thomasi	8	Rhinolophidae	Asia	Laos
Arielulus aureocollaris	1	Vespertilionidae	Asia	Laos
Glischropus bucephalus	4	Vespertilionidae	Asia	Laos
Ia io	1	Vespertilionidae	Asia	Laos
Kerivoula cf. hardwickii	9	Vespertilionidae	Asia	Laos
Kerivoula cf. titania	1	Vespertilionidae	Asia	Laos
Kerivoula depressa	8	Vespertilionidae	Asia	Laos
Kerivoula hardwickii	5	Vespertilionidae	Asia	Laos
Murina feae	3	Vespertilionidae	Asia	Laos
Murina sp1	6	Vespertilionidae	Asia	Laos
Murina sp2	3	Vespertilionidae	Asia	Laos
Myotis sp.	7	Vespertilionidae	Asia	Laos
Myotis sp1	45	Vespertilionidae	Asia	Laos
Myotis sp2	3	Vespertilionidae	Asia	Laos
Myotis sp3	1	Vespertilionidae	Asia	Laos
Pipistrellus sp.	8	Vespertilionidae	Asia	Laos
Scotomanes ornatus	1	Vespertilionidae	Asia	Laos

Tylonycteris fulvida	3	Vespertilionidae	Asia	Laos
Tylonycteris malayana	14	Vespertilionidae	Asia	Laos
Tylonycteris sp.	7	Vespertilionidae	Asia	Laos
Coleura afra	2	Emballonuridae	Africa	Kenya
Hipposideros commersoni	10	Hipposideridae	Africa	Kenya
Hipposideros ruber	6	Hipposideridae	Africa	Kenya
Cardioderma cor	13	Megadermatidae	Africa	Kenya
Miniopterus africanus	8	Miniopteridae	Africa	Kenya
Miniopterus inflatus	12	Miniopteridae	Africa	Kenya
Miniopterus minor	16	Miniopteridae	Africa	Kenya
Miniopterus natalensis	7	Miniopteridae	Africa	Kenya
Chaerephon pumilus	7	Molossidae	Africa	Kenya
Otomops martiensseni	19	Molossidae	Africa	Kenya
Eidolon helvum	10	Pteropodidae	Africa	Kenya
Epomophorus wahlbergi	3	Pteropodidae	Africa	Kenya
Lissonycteris angolensis	10	Pteropodidae	Africa	Kenya
Rousettus aegyptiacus	39	Pteropodidae	Africa	Kenya
Rhinolophus hildebrandtii	4	Rhinolophidae	Africa	Kenya
Neoromicia tenuipinnis	4	Vespertilionidae	Africa	Kenya
Emballonura alecto	8	Emballonuridae	Asia	Philippines
Hipposideros diadema	4	Hipposideridae	Asia	Philippines
Cynopterus brachyotis	83	Pteropodidae	Asia	Philippines
Haplonycteris fischeri	6	Pteropodidae	Asia	Philippines
Macroglossus minimus	3	Pteropodidae	Asia	Philippines
Ptenochirus jadori	67	Pteropodidae	Asia	Philippines
Rousettus amplexicaudatus	6	Pteropodidae	Asia	Philippines
Rhinolophus rufus	2	Rhinolophidae	Asia	Philippines
Craseonycteris thonglongyai	40	Craseonycteridae	Asia	Myanmar
Hipposideros armiger	17	Hipposideridae	Asia	Myanmar
Hipposideros larvatus	1407	Hipposideridae	Asia	Myanmar
Chaerephon plicatus	389	Molossidae	Asia	Myanmar
Cynopterus sphinx	43	Pteropodidae	Asia	Myanmar
Eonycteris spelaea	33	Pteropodidae	Asia	Myanmar
Pteropus giganteus	58	Pteropodidae	Asia	Myanmar
Scotophilus heathii	24	Vespertilionidae	Asia	Myanmar
Scotophilus kuhlii	2	Vespertilionidae	Asia	Myanmar
Eptesicus serotinus	1	Vespertilionidae	Europe	Belgium
Myotis daubentonii	3	Vespertilionidae	Europe	Belgium
Nyctalus noctula	1	Vespertilionidae	Europe	Belgium
Pipistrellus nathusii	19	Vespertilionidae	Europe	Belgium
Pipistrellus pipistrellus	57	Vespertilionidae	Europe	Belgium
Plecotus auritus	5	Vespertilionidae	Europe	Belgium
Chaerephon plicatus	Not reported	Molossidae	Asia	Thailand
Taphozous longimanus	12	Emballonuridae	Asia	Thailand
Taphozous melanopogon	123	Emballonuridae	Asia	Thailand
Hipposideros armiger	140	Hipposideridae	Asia	Thailand
Hipposideros cineraceus	3	Hipposideridae	Asia	Thailand
Hipposideros larvatus	29	Hipposideridae	Asia	Thailand
Hipposideros lekaguli	159	Hipposideridae	Asia	Thailand
Megaderma lyra	2	Megadermatidae	Asia	Thailand
Miniopterus magnater	30	Miniopteridae	Asia	Thailand
Miniopterus pusillus	1	Miniopteridae	Asia	Thailand
Miniopterus schreibersii	53	Miniopteridae	Asia	Thailand
Cynopterus brachyotis	9	Pteropodidae	Asia	Thailand
Cynopterus sphinx	14	Pteropodidae	Asia	Thailand

Eonycteris spelaea	11	Pteropodidae	Asia	Thailand
Macroglossus sobrinus	2	Pteropodidae	Asia	Thailand
Rousettus amplexicaudatus	3	Pteropodidae	Asia	Thailand
Rhinolophus shameli	20	Rhinolophidae	Asia	Thailand
Myotis horsfieldii	4	Vespertilionidae	Asia	Thailand
Scotophilus heathii	8	Vespertilionidae	Asia	Thailand
Scotophilus kuhlii	3	Vespertilionidae	Asia	Thailand
Pteropus lylei	367	Pteropodidae	Asia	Thailand
Rhinolophus acuminatus	100	Rhinolophidae	Asia	Thailand
Rhinolophus sinicus	431	Rhinolophidae	Asia	China
Rhinolophus affinis	20	Rhinolophidae	Asia	China
Rhinolophus luctus	10	Rhinolophidae	Asia	China
Rhinolophus pusillus	20	Rhinolophidae	Asia	China
Myotis daubentonii	10	Vespertilionidae	Asia	China
Rhinolophus affinis	499	Rhinolophidae	Asia	China
Rhinolophus blythi	17	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	238	Rhinolophidae	Asia	China
Rhinolophus lepidus	21	Rhinolophidae	Asia	China
Rhinolophus luctus	8	Rhinolophidae	Asia	China
Rhinolophus macrotis	31	Rhinolophidae	Asia	China
Rhinolophus monoceros	5	Rhinolophidae	Asia	China
Rhinolophus pearsonii	106	Rhinolophidae	Asia	China
Rhinolophus pusillus	283	Rhinolophidae	Asia	China
Rhinolophus shameli	55	Rhinolophidae	Asia	China
Rhinolophus sinicus	740	Rhinolophidae	Asia	China
Taphozous australis	52	Emballonuridae	Asia	China, Laos
Taphozous melanopogon	161	Emballonuridae	Asia	China, Laos
Aselliscus stoliczkanus	165	Hipposideridae	Asia	China, Laos
Hipposideros armiger	1188	Hipposideridae	Asia	China, Laos
Hipposideros larvatus	196	Hipposideridae	Asia	China, Laos
Hipposideros pomona	186	Hipposideridae	Asia	China, Laos
Hipposideros pratti	249	Hipposideridae	Asia	China, Laos
Hipposideros sp.	244	Hipposideridae	Asia	China, Laos
Megaderma lyra	1	Megadermatidae	Asia	China, Laos
Miniopterus fuliginosus	24	Miniopteridae	Asia	China, Laos
Miniopterus fuscus	29	Miniopteridae	Asia	China, Laos
Miniopterus magnater	64	Miniopteridae	Asia	China, Laos
Miniopterus pusillus	97	Miniopteridae	Asia	China, Laos
Miniopterus schreibersii	270	Miniopteridae	Asia	China, Laos
Miniopterus sp.	73	Miniopteridae	Asia	China, Laos
Chaerephon plicatus	61	Molossidae	Asia	China, Laos
Cynopterus sphinx	110	Pteropodidae	Asia	China, Laos
Eonycteris spelaea	75	Pteropodidae	Asia	China, Laos
Rousettus aegyptiacus	3	Pteropodidae	Asia	China, Laos
Rousettus leschenaultii	144	Pteropodidae	Asia	China, Laos
Rousettus sp.	125	Pteropodidae	Asia	China, Laos
Rhinolophus affinis	641	Rhinolophidae	Asia	China, Laos
Rhinolophus blythi	17	Rhinolophidae	Asia	China, Laos
Rhinolophus ferrumequinum	156	Rhinolophidae	Asia	China, Laos
Rhinolophus lepidus	22	Rhinolophidae	Asia	China, Laos
Rhinolophus luctus	8	Rhinolophidae	Asia	China, Laos
Rhinolophus macrotis	31	Rhinolophidae	Asia	China, Laos
Rhinolophus marshalli	1	Rhinolophidae	Asia	China, Laos
Rhinolophus monoceros	7	Rhinolophidae	Asia	China, Laos
Rhinolophus pearsonii	84	Rhinolophidae	Asia	China, Laos

Rhinolophus pusillus	657	Rhinolophidae	Asia	China, Laos
Rhinolophus rex	14	Rhinolophidae	Asia	China, Laos
Rhinolophus rouxii	1	Rhinolophidae	Asia	China, Laos
Rhinolophus shameli	3	Rhinolophidae	Asia	China, Laos
Rhinolophus sinicus	1036	Rhinolophidae	Asia	China, Laos
Rhinolophus sp.	100	Rhinolophidae	Asia	China, Laos
Rhinolophus subrufus	35	Rhinolophidae	Asia	China, Laos
Rhinolophus thomasi	1	Rhinolophidae	Asia	China, Laos
Barbastella beijingensis	25	Vespertilionidae	Asia	China, Laos
Barbastella sp.	1	Vespertilionidae	Asia	China, Laos
Hypsugo pulveratus	4	Vespertilionidae	Asia	China, Laos
la io	21	Vespertilionidae	Asia	China, Laos
Myotis adversus	83	Vespertilionidae	Asia	China, Laos
Myotis altarium	51	Vespertilionidae	Asia	China, Laos
Myotis blythii	7	Vespertilionidae	Asia	China, Laos
Myotis brandtii	10	Vespertilionidae	Asia	China, Laos
Myotis chinensis	135	Vespertilionidae	Asia	China, Laos
Myotis daubentonii	107	Vespertilionidae	Asia	China, Laos
Myotis davidii	18	Vespertilionidae	Asia	China, Laos
Myotis fimbriatus	7	Vespertilionidae	Asia	China, Laos
Myotis frater	45	Vespertilionidae	Asia	China, Laos
Myotis myotis	10	Vespertilionidae	Asia	China, Laos
Myotis pequinius	28	Vespertilionidae	Asia	China, Laos
Myotis pilosus	93	Vespertilionidae	Asia	China, Laos
Myotis ricketti	292	Vespertilionidae	Asia	China, Laos
Myotis siligorensis	4	Vespertilionidae	Asia	China, Laos
Myotis sp.	70	Vespertilionidae	Asia	China, Laos
Nyctalus noctula	11	Vespertilionidae	Asia	China, Laos
Nyctalus velutinus	11	Vespertilionidae	Asia	China, Laos
Pipistrellus abramus	136	Vespertilionidae	Asia	China, Laos
Pipistrellus minus	16	Vespertilionidae	Asia	China, Laos
Pipistrellus pipistrellus	23	Vespertilionidae	Asia	China, Laos
Plecotus auritus	16	Vespertilionidae	Asia	China, Laos
Scotomanes ornatus	1	Vespertilionidae	Asia	China, Laos
Scotophilus heathii	3	Vespertilionidae	Asia	China, Laos
Scotophilus kuhlii	197	Vespertilionidae	Asia	China, Laos
Tylonycteris pachypus	100	Vespertilionidae	Asia	China, Laos
Tylonycteris robustula	18	Vespertilionidae	Asia	China, Laos
Vespertilio sinensis	130	Vespertilionidae	Asia	China, Laos
Coleura afra	Not reported	Emballonuridae	Africa	Kenya
Taphozous mauritanus	Not reported	Emballonuridae	Africa	Kenya
Hipposideros caffer	Not reported	Hipposideridae	Africa	Kenya
Hipposideros commersoni	Not reported	Hipposideridae	Africa	Kenya
Hipposideros gigas	Not reported	Hipposideridae	Africa	Kenya
Hipposideros ruber	Not reported	Hipposideridae	Africa	Kenya
Hipposideros vittatus	Not reported	Hipposideridae	Africa	Kenya
Cardioderma cor	Not reported	Megadermatidae	Africa	Kenya
Miniopterus minor	Not reported	Miniopteridae	Africa	Kenya
Chaerephon pumilus	Not reported	Molossidae	Africa	Kenya
Mops condylurus	Not reported	Molossidae	Africa	Kenya
Otomops martiensseni	Not reported	Molossidae	Africa	Kenya
Tadarida aegyptiaca	Not reported	Molossidae	Africa	Kenya
Eidolon helvum	Not reported	Pteropodidae	Africa	Kenya
Epomophorus labiatus	Not reported	Pteropodidae	Africa	Kenya
Epomophorus minimus	Not reported	Pteropodidae	Africa	Kenya



Rousettus aegyptiacus	Not reported	Pteropodidae	Africa	Kenya
Rhinolophus eloquens	Not reported	Rhinolophidae	Africa	Kenya
Rhinolophus fumigatus	Not reported	Rhinolophidae	Africa	Kenya
Rhinolophus landeri	Not reported	Rhinolophidae	Africa	Kenya
Triaenops afer	Not reported	Rhinonycteridae	Africa	Kenya
Myotis tricolor	Not reported	Vespertilionidae	Africa	Kenya
Cynopterus brachyotis	23	Pteropodidae	Asia	Philippines
Eonycteris spelaea	5	Pteropodidae	Asia	Philippines
Ptenochirus jagori	16	Pteropodidae	Asia	Philippines
Rousettus amplexicaudatus	1	Pteropodidae	Asia	Philippines
Pipistrellus javanicus	3	Vespertilionidae	Asia	Philippines
Scotophilus kuhlii	4	Vespertilionidae	Asia	Philippines
Rhinolophus cf. clivus	Not reported	Rhinolophidae	Africa	Rwanda, Uganda
Hipposideros armiger	13	Hipposideridae	Asia	China
Hipposideros pomona	18	Hipposideridae	Asia	China
Miniopterus magnater	51	Miniopteridae	Asia	China
Miniopterus pusillus	25	Miniopteridae	Asia	China
Cynopterus sphinx	2	Pteropodidae	Asia	China
Rousettus leschenaultii	2	Pteropodidae	Asia	China
Rhinolophus affinis	7	Rhinolophidae	Asia	China
Rhinolophus sinicus	118	Rhinolophidae	Asia	China
Myotis chinensis	8	Vespertilionidae	Asia	China
Myotis ricketti	23	Vespertilionidae	Asia	China
Nyctalus noctula	7	Vespertilionidae	Asia	China
Pipistrellus abramus	14	Vespertilionidae	Asia	China
Tylonycteris pachypus	21	Vespertilionidae	Asia	China
Hipposideros armiger	26	Hipposideridae	Asia	China
Hipposideros larvatus	2	Hipposideridae	Asia	China
Hipposideros pomona	1	Hipposideridae	Asia	China
Miniopterus magnater	14	Miniopteridae	Asia	China
Miniopterus pusillus	13	Miniopteridae	Asia	China
Rousettus leschenaultii	350	Pteropodidae	Asia	China
Rhinolophus affinis	25	Rhinolophidae	Asia	China
Rhinolophus osgoodi	1	Rhinolophidae	Asia	China
Rhinolophus pusillus	12	Rhinolophidae	Asia	China
Rhinolophus sinicus	64	Rhinolophidae	Asia	China
Myotis ricketti	1	Vespertilionidae	Asia	China
Hipposideros armiger	15	Hipposideridae	Asia	China
Hipposideros cineraceus	20	Hipposideridae	Asia	China
Hipposideros pomona	23	Hipposideridae	Asia	China
Miniopterus schreibersii	27	Miniopteridae	Asia	China
Rhinolophus affinis	19	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	15	Rhinolophidae	Asia	China
Rhinolophus sinicus	19	Rhinolophidae	Asia	China
la io	11	Vespertilionidae	Asia	China
Myotis myotis	28	Vespertilionidae	Asia	China
Myotis ricketti	29	Vespertilionidae	Asia	China
Tylonycteris robustula	10	Vespertilionidae	Asia	China
Taphozous melanopogon	66	Emballonuridae	Asia	China
Aselliscus stoliczkanus	31	Hipposideridae	Asia	China
Hipposideros armiger	168	Hipposideridae	Asia	China
Hipposideros cineraceus	40	Hipposideridae	Asia	China
Hipposideros larvatus	28	Hipposideridae	Asia	China
Hipposideros pomona	80	Hipposideridae	Asia	China
Hipposideros pratti	130	Hipposideridae	Asia	China

Miniopterus fuliginosus	240	Miniopteridae	Asia	China
Chaerephon plicatus	26	Molossidae	Asia	China
Cynopterus sphinx	179	Pteropodidae	Asia	China
Rousettus leschenaultii	128	Pteropodidae	Asia	China
Rhinolophus affinis	146	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	659	Rhinolophidae	Asia	China
Rhinolophus hipposideros	48	Rhinolophidae	Asia	China
Rhinolophus lepidus	42	Rhinolophidae	Asia	China
Rhinolophus macrotis	86	Rhinolophidae	Asia	China
Rhinolophus pearsonii	84	Rhinolophidae	Asia	China
Rhinolophus pusillus	290	Rhinolophidae	Asia	China
Rhinolophus rex	16	Rhinolophidae	Asia	China
Rhinolophus rouxii	42	Rhinolophidae	Asia	China
Rhinolophus sinicus	366	Rhinolophidae	Asia	China
Barbastella beijingensis	98	Vespertilionidae	Asia	China
Ia io	128	Vespertilionidae	Asia	China
Murina leucogaster	106	Vespertilionidae	Asia	China
Myotis altarium	75	Vespertilionidae	Asia	China
Myotis brandtii	24	Vespertilionidae	Asia	China
Myotis daubentonii	119	Vespertilionidae	Asia	China
Myotis davidii	12	Vespertilionidae	Asia	China
Myotis formosus	8	Vespertilionidae	Asia	China
Myotis ikonnikovi	68	Vespertilionidae	Asia	China
Myotis myotis	76	Vespertilionidae	Asia	China
Myotis pequinius	42	Vespertilionidae	Asia	China
Myotis ricketti	258	Vespertilionidae	Asia	China
Myotis siligorensis	40	Vespertilionidae	Asia	China
Nyctalus velutinus	30	Vespertilionidae	Asia	China
Pipistrellus abramus	Not reported	Vespertilionidae	Asia	China
Plecotus auritus	46	Vespertilionidae	Asia	China
Tylonycteris pachypus	60	Vespertilionidae	Asia	China
Tylonycteris robustula	20	Vespertilionidae	Asia	China
Vespertilio superans	85	Vespertilionidae	Asia	China
Taphozous melanopogon	314	Emballonuridae	Asia	China
Aselliscus stoliczkanus	306	Hipposideridae	Asia	China
Hipposideros armiger	602	Hipposideridae	Asia	China
Hipposideros cineraceus	48	Hipposideridae	Asia	China
Hipposideros larvatus	958	Hipposideridae	Asia	China
Hipposideros pomona	203	Hipposideridae	Asia	China
Hipposideros pratti	185	Hipposideridae	Asia	China
Megaderma lyra	7	Megadermatidae	Asia	China
Megaderma spasma	19	Megadermatidae	Asia	China
Miniopterus pusillus	162	Miniopteridae	Asia	China
Miniopterus schreibersii	391	Miniopteridae	Asia	China
Chaerephon plicatus	76	Molossidae	Asia	China
Cynopterus sphinx	96	Pteropodidae	Asia	China
Eonycteris spelaea	220	Pteropodidae	Asia	China
Rousettus leschenaultii	81	Pteropodidae	Asia	China
Rhinolophus affinis	680	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	444	Rhinolophidae	Asia	China
Rhinolophus luctus	13	Rhinolophidae	Asia	China
Rhinolophus macrotis	169	Rhinolophidae	Asia	China
Rhinolophus malayanus	52	Rhinolophidae	Asia	China
Rhinolophus marshalli	19	Rhinolophidae	Asia	China
Rhinolophus paradoxolophus	2	Rhinolophidae	Asia	China

Rhinolophus pearsonii	326	Rhinolophidae	Asia	China
Rhinolophus pusillus	1066	Rhinolophidae	Asia	China
Rhinolophus rex	27	Rhinolophidae	Asia	China
Rhinolophus siamensis	46	Rhinolophidae	Asia	China
Rhinolophus sinicus	1415	Rhinolophidae	Asia	China
Rhinolophus spp.	11	Rhinolophidae	Asia	China
Eptesicus serotinus	71	Vespertilionidae	Asia	China
Hypsugo cadornae	6	Vespertilionidae	Asia	China
Hypsugo pulveratus	7	Vespertilionidae	Asia	China
Ia io	27	Vespertilionidae	Asia	China
Murina spp.	4	Vespertilionidae	Asia	China
Myotis adversus	90	Vespertilionidae	Asia	China
Myotis altarium	224	Vespertilionidae	Asia	China
Myotis chinensis	504	Vespertilionidae	Asia	China
Myotis daubentonii	166	Vespertilionidae	Asia	China
Myotis fimbriatus	12	Vespertilionidae	Asia	China
Myotis formosus	1	Vespertilionidae	Asia	China
Myotis indochinensis	7	Vespertilionidae	Asia	China
Myotis laniger	80	Vespertilionidae	Asia	China
Myotis longipes	37	Vespertilionidae	Asia	China
Myotis montivagus	9	Vespertilionidae	Asia	China
Myotis nipalensis	1	Vespertilionidae	Asia	China
Myotis ricketti	493	Vespertilionidae	Asia	China
Myotis rufoniger	1	Vespertilionidae	Asia	China
Myotis siligorensis	196	Vespertilionidae	Asia	China
Myotis spp.	128	Vespertilionidae	Asia	China
Nyctalus velutinus	8	Vespertilionidae	Asia	China
Pipistrellus abramus	562	Vespertilionidae	Asia	China
Pipistrellus ceylonicus	1	Vespertilionidae	Asia	China
Pipistrellus pipistrellus	130	Vespertilionidae	Asia	China
Pipistrellus spp.	82	Vespertilionidae	Asia	China
Pipistrellus tenuis	9	Vespertilionidae	Asia	China
Scotophilus heathii	24	Vespertilionidae	Asia	China
Scotophilus kuhlii	1045	Vespertilionidae	Asia	China
Tylonycteris pachypus	1014	Vespertilionidae	Asia	China
Tylonycteris robustula	187	Vespertilionidae	Asia	China
Aselliscus stoliczkanus	33	Hipposideridae	Asia	China
Hipposideros armiger	29	Hipposideridae	Asia	China
Hipposideros cineraceus	24	Hipposideridae	Asia	China
Hipposideros larvatus	70	Hipposideridae	Asia	China
Hipposideros pomona	84	Hipposideridae	Asia	China
Megaderma lyra	1	Megadermatidae	Asia	China
Miniopterus schreibersii	8	Miniopteridae	Asia	China
Cynopterus sphinx	51	Pteropodidae	Asia	China
Megaerops kusnotoi	41	Pteropodidae	Asia	China
Rousettus leschenaultii	137	Pteropodidae	Asia	China
Rhinolophus affinis	3	Rhinolophidae	Asia	China
Rhinolophus ferrumequinum	88	Rhinolophidae	Asia	China
Rhinolophus hipposideros	42	Rhinolophidae	Asia	China
Rhinolophus pusillus	11	Rhinolophidae	Asia	China
Rhinolophus sinicus	78	Rhinolophidae	Asia	China
Murina leucogaster	40	Vespertilionidae	Asia	China
Myotis capaccinii	40	Vespertilionidae	Asia	China
Myotis chinensis	3	Vespertilionidae	Asia	China
Myotis daubentonii	95	Vespertilionidae	Asia	China

Myotis laniger	8	Vespertilionidae	Asia	China
Myotis ricketti	65	Vespertilionidae	Asia	China
Pteropus medius	Not reported	Pteropodidae	Asia	India
Chaerephon plicatus	Not reported	Molossidae	Asia	China
Rhinolophus pusillus	Not reported	Rhinolophidae	Asia	China
Vespertilio superans	32	Vespertilionidae	Asia	China
Rhinolophus sinicus	Not reported	Rhinolophidae	Asia	China
Rhinolophus sinicus	24	Rhinolophidae	Asia	China
Rhinolophus sinicus	309	Rhinolophidae	Asia	China
Hipposideros pomona	50	Hipposideridae	Asia	China
Hipposideros pratti	43	Hipposideridae	Asia	China
Rhinolophus affinis	104	Rhinolophidae	Asia	China
Rhinolophus macrotis	18	Rhinolophidae	Asia	China
Rhinolophus pusillus	81	Rhinolophidae	Asia	China
Rhinolophus rex	9	Rhinolophidae	Asia	China
Rhinolophus sinicus	190	Rhinolophidae	Asia	China
Myotis ricketti	87	Vespertilionidae	Asia	China
Pipistrellus abramus	9	Vespertilionidae	Asia	China
Taphozous melanopogon	9	Emballonuridae	Asia	China
Aselliscus stoliczkanus	5	Hipposideridae	Asia	China
Hipposideros armiger	3	Hipposideridae	Asia	China
Hipposideros larvatus	41	Hipposideridae	Asia	China
Hipposideros pomona	13	Hipposideridae	Asia	China
Chaerephon plicatus	4	Molossidae	Asia	China
Rhinolophus malayanus	39	Rhinolophidae	Asia	China
Rhinolophus paradoxolophus	1	Rhinolophidae	Asia	China
Rhinolophus pearsonii	6	Rhinolophidae	Asia	China
Rhinolophus siamensis	8	Rhinolophidae	Asia	China
Rhinolophus sinicus	17	Rhinolophidae	Asia	China
Rhinolophus steno	48	Rhinolophidae	Asia	China
Harpiocephalus harpia	1	Vespertilionidae	Asia	China
Kerivoula hardwickii	3	Vespertilionidae	Asia	China
Kerivoula papillosa	2	Vespertilionidae	Asia	China
Murina cyclotis	7	Vespertilionidae	Asia	China
Myotis laniger	9	Vespertilionidae	Asia	China
Myotis muricola	8	Vespertilionidae	Asia	China
Tylonycteris robustula	1	Vespertilionidae	Asia	China
Rhinolophus affinis	Not reported	Rhinolophidae	Asia	China
Taphozous melanopogon	1	Emballonuridae	Asia	China
Aselliscus stoliczkanus	10	Hipposideridae	Asia	China
Hipposideros armiger	3	Hipposideridae	Asia	China
Hipposideros cineraceus	1	Hipposideridae	Asia	China
Hipposideros larvatus	60	Hipposideridae	Asia	China
Hipposideros pomona	17	Hipposideridae	Asia	China
Miniopterus schreibersii	1	Miniopteridae	Asia	China
Chaerephon plicatus	2	Molossidae	Asia	China
Rhinolophus malayanus	88	Rhinolophidae	Asia	China
Rhinolophus paradoxolophus	1	Rhinolophidae	Asia	China
Rhinolophus pearsonii	5	Rhinolophidae	Asia	China
Rhinolophus pusillus	2	Rhinolophidae	Asia	China
Rhinolophus siamensis	12	Rhinolophidae	Asia	China
Rhinolophus sinicus	34	Rhinolophidae	Asia	China
Rhinolophus steno	36	Rhinolophidae	Asia	China
Harpiocephalus harpia	1	Vespertilionidae	Asia	China
Kerivoula hardwickii	10	Vespertilionidae	Asia	China

Kerivoula papillosa	1	Vespertilionidae	Asia	China
Murina cyclotis	9	Vespertilionidae	Asia	China
Myotis laniger	20	Vespertilionidae	Asia	China
Myotis muricola	18	Vespertilionidae	Asia	China
Pipistrellus javanicus	1	Vespertilionidae	Asia	China

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<b>Virus name</b>	<b>Coronavirus subgenus</b>
WIV1	Sarbecovirus
Ty-BatCoV HKU4	Merbecovirus
WIV16	Sarbecovirus
Rs4874	Sarbecovirus
BANAL-236	Sarbecovirus

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**Comments**

Successful culture; Wuhan Institute of Virology

Successful culture; University of Hong Kong

Successful culture; Wuhan Institute of Virology

Successful culture; Wuhan Institute of Virology

Successful culture; Institut Pasteur

Species	Proper name	IUCN data	IUCN name	Family	Country
Acerodon celebensis	Acerodon celeberrimus	1	Acerodon celebensis	Pteropodidae	Indonesia
Ametrida centurio	Ametrida centurio	1	Ametrida centurio	Phyllostomidae	Brazil
Anoura caudifer	Anoura caudifer	1	Anoura caudifer	Phyllostomidae	Bolivia, Brazil, Peru
Anoura cultrata	Anoura cultrata	1	Anoura cultrata	Phyllostomidae	Bolivia
Anoura geoffroyi	Anoura geoffroyi	1	Anoura geoffroyi	Phyllostomidae	Bolivia
Artibeus anderseni	Dermanura anderseni	1	Dermanura anderseni	Phyllostomidae	Bolivia
Artibeus cinereus	Dermanura cinerea	1	Dermanura cinerea	Phyllostomidae	Brazil
Artibeus concolor	Artibeus concolor	1	Artibeus concolor	Phyllostomidae	Brazil
Artibeus fimbriatus	Artibeus fimbriatus	1	Artibeus fimbriatus	Phyllostomidae	Brazil
Artibeus glaucus	Dermanura glauca	1	Dermanura glauca	Phyllostomidae	Bolivia
Artibeus gnomus	Dermanura gnomus	1	Dermanura gnomus	Phyllostomidae	Brazil, Peru
Artibeus jamaicensis	Artibeus jamaicensis	1	Artibeus jamaicensis	Phyllostomidae	Bolivia, Mexico
Artibeus lituratus	Artibeus lituratus	1	Artibeus lituratus	Phyllostomidae	Bolivia, Brazil, Mexico
Artibeus obscurus	Artibeus obscurus	1	Artibeus obscurus	Phyllostomidae	Bolivia, Brazil, Peru
Artibeus planirostris	Artibeus planirostris	1	Artibeus planirostris	Phyllostomidae	Bolivia, Brazil, Peru
Artibeus watsoni	Dermanura watsoni	1	Dermanura watsoni	Phyllostomidae	Mexico
Aselliscus stoliczkanus	Aselliscus stoliczkanus	1	Aselliscus stoliczkanus	Hipposideridae	China, Lao PDR
Balionycteris maculata	Balionycteris maculata	1	Balionycteris maculata	Pteropodidae	Malaysia
Barbastella beijingensis	Barbastella beijingensis	1	Barbastella beijingensis	Vespertilionidae	China
Bauerus dubiaquercus	Bauerus dubiaquercus	1	Bauerus dubiaquercus	Vespertilionidae	Mexico
Cardioderma cor	Cardioderma cor	1	Cardioderma cor	Megadermatidae	Kenya
Carollia benkeithi	Carollia benkeithi	1	Carollia benkeithi	Phyllostomidae	Bolivia, Brazil
Carollia brevicauda	Carollia brevicauda	1	Carollia brevicauda	Phyllostomidae	Bolivia, Brazil, Peru
Carollia castanea	Carollia castanea	1	Carollia castanea	Phyllostomidae	Bolivia, Peru
Carollia manu	Carollia manu	1	Carollia manu	Phyllostomidae	Bolivia
Carollia perspicillata	Carollia perspicillata	1	Carollia perspicillata	Phyllostomidae	Bolivia, Brazil, Mexico
Carollia sowelli	Carollia sowelli	1	Carollia sowelli	Phyllostomidae	Mexico
Carollia subrufa	Carollia subrufa	1	Carollia subrufa	Phyllostomidae	Mexico
Casinycteris argynnis	Casinycteris argynnis	1	Casinycteris argynnis	Pteropodidae	Cameroon, Republic of the Congo
Centurio senex	Centurio senex	1	Centurio senex	Phyllostomidae	Mexico
Chaerephon major	Mops major	1	Chaerephon major	Molossidae	Cameroon, Ivory Coast
Chaerephon plicatus	Mops plicatus	1	Chaerephon plicatus	Molossidae	China, Thailand, Myanmar
Chaerephon pumilus	Mops pumilus	1	Chaerephon pumilus	Molossidae	Cameroon, DR Congo
Cheiromeles torquatus	Cheiromeles torquatus	1	Cheiromeles torquatus	Molossidae	Malaysia
Chiroderma trinitatum	Chiroderma trinitatum	1	Chiroderma trinitatum	Phyllostomidae	Peru
Chiroderma villosum	Chiroderma villosum	1	Chiroderma villosum	Phyllostomidae	Mexico
Chironax melanocephalus	Chironax melanocephalus	1	Chironax melanocephalus	Pteropodidae	Malaysia
Choeroniscus godmani	Choeroniscus godmani	1	Choeroniscus godmani	Phyllostomidae	Mexico
Choeroniscus minor	Choeroniscus minor	1	Choeroniscus minor	Phyllostomidae	Bolivia, Brazil
Choeronycteris mexicana	Choeronycteris mexicana	1	Choeronycteris mexicana	Phyllostomidae	Mexico
Chrotopterus auritus	Chrotopterus auritus	1	Chrotopterus auritus	Phyllostomidae	Brazil, Mexico
Coelops frithii	Coelops frithii	1	Coelops frithii	Hipposideridae	China
Coleura afra	Coleura afra	1	Coleura afra	Emballonuridae	Cameroon, Gabon

Cormura brevirostris	Cormura breviros	1	Cormura brevirostri	Emballonuridae	Brazil
Corynorhinus mexican	Corynorhinus me	1	Corynorhinus mexic	Vespertilionidae	Mexico
Craseonycteris thongl	Craseonycteris th	1	Craseonycteris thor	Craseonycteridae	Myanmar
Cynopterus brachyotis	Cynopterus brach	1	Cynopterus brachyc	Pteropodidae	Bangladesh, Cam
Cynopterus horsfieldii	Cynopterus horsfi	1	Cynopterus horsfiel	Pteropodidae	Lao PDR, Malaysi
Cynopterus minutus	Cynopterus minut	1	Cynopterus minutus	Pteropodidae	Indonesia
Cynopterus sphinx	Cynopterus sphin	1	Cynopterus sphinx	Pteropodidae	Bangladesh, Cam
Lasiurus ega	Lasiurus ega	1	Lasiurus ega	Vespertilionidae	Bolivia
Dermanura phaeotis	Dermanura phae	1	Dermanura phaeoti	Phyllostomidae	Mexico
Desmodus rotundus	Desmodus rotund	1	Desmodus rotundu	Phyllostomidae	Bolivia, Brazil, Me
Diphylla ecaudata	Diphylla ecaudata	1	Diphylla ecaudata	Phyllostomidae	Mexico
Dobsonia exoleta	Dobsonia exoleta	1	Dobsonia exoleta	Pteropodidae	Indonesia
Dyacopterus spadiceus	Dyacopterus spac	1	Dyacopterus spadic	Pteropodidae	Malaysia
Eidolon helvum	Eidolon helvum	1	Eidolon helvum	Pteropodidae	Cameroon, DR C
Emballonura monticola	Emballonura mon	1	Emballonura montic	Emballonuridae	Malaysia
Enchisthenes hartii	Enchisthenes har	1	Enchisthenes hartii	Phyllostomidae	Peru
Eonycteris spelaea	Eonycteris spelae	1	Eonycteris spelaea	Pteropodidae	China, Lao PDR,
Epomophorus gambiar	Epomophorus gai	1	Epomophorus gaml	Pteropodidae	Cameroon, DR C
Epomophorus labiatus	Epomophorus lab	1	Epomophorus labia	Pteropodidae	Kenya, Rwanda, S
Epomophorus wahlber	Epomophorus wa	1	Epomophorus wahlh	Pteropodidae	Liberia, Tanzania
Epomops buettikoferi	Epomops buettik	1	Epomops buettikofe	Pteropodidae	Ghana, Guinea, I
Epomops franqueti	Epomops franque	1	Epomops franqueti	Pteropodidae	Cameroon, DR C
Eptesicus andinus	Eptesicus andinu	1	Eptesicus andinus	Vespertilionidae	Bolivia
Eptesicus furinalis	Eptesicus furinali	1	Eptesicus furinalis	Vespertilionidae	Mexico
Glauconycteris albogut	Glauconycteris all	1	Glauconycteris albo	Vespertilionidae	Republic of Cong
Glauconycteris argent	Glauconycteris ar	1	Glauconycteris arge	Vespertilionidae	Ivory Coast
Glauconycteris beatrix	Glauconycteris be	1	Glauconycteris bea	Vespertilionidae	Republic of Cong
Glauconycteris poensis	Glauconycteris pc	1	Glauconycteris poe	Vespertilionidae	Cameroon, Guine
Glauconycteris variega	Glauconycteris va	1	Glauconycteris vari	Vespertilionidae	DR Congo, Guine
Glischropus tylopus	Glischropus tylop	1	Glischropus tylopus	Vespertilionidae	Malaysia
Glossophaga commiss	Glossophaga corr	1	Glossophaga comr	Phyllostomidae	Brazil, Mexico
Glossophaga morenoi	Glossophaga mor	1	Glossophaga more	Phyllostomidae	Mexico
Glossophaga soricina	Glossophaga sori	1	Glossophaga sorici	Phyllostomidae	Bolivia, Brazil, Me
Harpiocephalus harpia	Harpiocephalus h	1	Harpiocephalus har	Vespertilionidae	Lao PDR
Hesperoptenus blanfor	Hesperoptenus bl	1	Hesperoptenus blar	Vespertilionidae	Cambodia
Hesperoptenus tickelli	Hesperoptenus tic	1	Hesperoptenus tick	Vespertilionidae	Cambodia
Hipposideros abae	Hipposideros aba	1	Hipposideros abae	Hipposideridae	Sierra Leone
Hipposideros armiger	Hipposideros arm	1	Hipposideros armig	Hipposideridae	China, Lao PDR,
Hipposideros beatus	Hipposideros bea	1	Hipposideros beatu	Hipposideridae	Cameroon, Repul
Hipposideros bicolor	Hipposideros bicc	1	Hipposideros bicolo	Hipposideridae	Malaysia
Hipposideros caffer	Hipposideros caff	1	Hipposideros caffer	Hipposideridae	Cameroon, DR C
Hipposideros cervinus	Hipposideros cerv	1	Hipposideros cervin	Hipposideridae	Malaysia
Hipposideros cinerace	Hipposideros cine	1	Hipposideros ciner	Hipposideridae	Bangladesh, Chin
Hipposideros curtus	Hipposideros curt	1	Hipposideros curtus	Hipposideridae	Cameroon
Hipposideros cyclops	Doryrhina cyclops	1	Hipposideros cyclo	Hipposideridae	Cameroon, Ivory C
Hipposideros diadema	Hipposideros diac	1	Hipposideros diade	Hipposideridae	Malaysia
Hipposideros dyacorum	Hipposideros dya	1	Hipposideros dyaco	Hipposideridae	Malaysia
Hipposideros fuliginos	Hipposideros fulig	1	Hipposideros fuligin	Hipposideridae	Cameroon, Liber
Hipposideros galeritus	Hipposideros gale	1	Hipposideros galeri	Hipposideridae	Cambodia, Malay
Hipposideros gigas	Macronycteris gig	1	Macronycteris giga	Hipposideridae	Cameroon, Gabon
Hipposideros jonesi	Hipposideros jone	1	Hipposideros jonesi	Hipposideridae	Guinea, Sierra Le
Hipposideros larvatus	Hipposideros larv	1	Hipposideros larvat	Hipposideridae	Bangladesh, Chin

Hipposideros lekaguli	Hipposideros leka	1	Hipposideros lekagi	Hipposideridae	Thailand
Hipposideros lylei	Hipposideros lylei	1	Hipposideros lylei	Hipposideridae	Lao PDR, Thailand
Hipposideros pomona	Hipposideros pomona	1	Hipposideros pomona	Hipposideridae	Cambodia, China
Hipposideros pratti	Hipposideros pratti	1	Hipposideros pratti	Hipposideridae	China
Hipposideros ridleyi	Hipposideros ridleyi	1	Hipposideros ridleyi	Hipposideridae	Malaysia
Hipposideros ruber	Hipposideros ruber	1	Hipposideros ruber	Hipposideridae	Cameroon, DR Congo
Hipposideros scutinare	Hipposideros scutinare	1	Hipposideros scutinare	Hipposideridae	Lao PDR
Histiotus velatus	Eptesicus velatus	1	Histiotus velatus	Vespertilionidae	Bolivia
Hylonycteris underwoodi	Hylonycteris underwoodi	1	Hylonycteris underwoodi	Phyllostomidae	Mexico
Hypsignathus monstrosus	Hypsignathus monstrosus	1	Hypsignathus monstrosus	Pteropodidae	Cameroon, DR Congo
Hypsugo cadornae	Hypsugo cadornae	1	Hypsugo cadornae	Vespertilionidae	Lao PDR
Hypsugo crassulus	Parahypsugo crassulus	1	Pipistrellus crassulus	Vespertilionidae	Republic of Congo
Hypsugo dolichodon	Hypsugo dolichodon	1	Hypsugo dolichodon	Vespertilionidae	Lao PDR
Hypsugo musciculus	Hypsugo musciculus	1	Hypsugo musciculus	Vespertilionidae	Cameroon
la io	la io	1	la io	Vespertilionidae	China, Lao PDR
Kerivoula argentata	Kerivoula argentata	1	Kerivoula argentata	Vespertilionidae	Republic of Congo
Kerivoula cuprosa	Kerivoula cuprosa	1	Kerivoula cuprosa	Vespertilionidae	Cameroon
Kerivoula hardwickii	Kerivoula hardwickii	1	Kerivoula hardwickii	Vespertilionidae	Malaysia
Kerivoula intermedia	Kerivoula intermedia	1	Kerivoula intermedia	Vespertilionidae	Malaysia
Kerivoula lanosa	Kerivoula lanosa	1	Kerivoula lanosa	Vespertilionidae	DR Congo
Kerivoula minuta	Kerivoula minuta	1	Kerivoula minuta	Vespertilionidae	Malaysia
Kerivoula papillosa	Kerivoula papillosa	1	Kerivoula papillosa	Vespertilionidae	Malaysia
Kerivoula pellucida	Kerivoula pellucida	1	Kerivoula pellucida	Vespertilionidae	Malaysia
Lampronnycteris brachy	Lampronnycteris brachy	1	Lampronnycteris brachy	Phyllostomidae	Bolivia
Lasiurus intermedius	Lasiurus intermedius	1	Lasiurus intermedius	Vespertilionidae	Mexico
Lavia frons	Lavia frons	1	Lavia frons	Megadermatidae	Cameroon, Rwanda
Leptonycteris nivalis	Leptonycteris nivalis	1	Leptonycteris nivalis	Phyllostomidae	Mexico
Leptonycteris yerbabuenae	Leptonycteris yerbabuenae	1	Leptonycteris yerbabuenae	Phyllostomidae	Mexico
Lichonycteris obscura	Lichonycteris obscura	1	Lichonycteris obscura	Phyllostomidae	Brazil
Lionycteris spurrelli	Lionycteris spurrelli	1	Lionycteris spurrelli	Phyllostomidae	Brazil
Lissonycteris angolensis	Myonycteris angolensis	1	Lissonycteris angolensis	Pteropodidae	Cameroon, Ghana
Lonchophylla thomasi	Hsionycteris thomasi	1	Lonchophylla thomasi	Phyllostomidae	Bolivia, Brazil
Lonchorhina aurita	Lonchorhina aurita	1	Lonchorhina aurita	Phyllostomidae	Mexico
Lophostoma brasiliense	Lophostoma brasiliense	1	Lophostoma brasiliense	Phyllostomidae	Bolivia, Brazil
Lophostoma silvicolum	Lophostoma silvicolum	1	Lophostoma silvicolum	Phyllostomidae	Bolivia, Brazil
Macroglossus minimus	Macroglossus minimus	1	Macroglossus minimus	Pteropodidae	Cambodia, Indonesia
Macroglossus sobrinus	Macroglossus sobrinus	1	Macroglossus sobrinus	Pteropodidae	Bangladesh, Cameroon
Megaderma lyra	Lyroderma lyra	1	Lyroderma lyra	Megadermatidae	Bangladesh, Cameroon
Megaderma spasma	Megaderma spasma	1	Megaderma spasma	Megadermatidae	Cambodia, Lao PDR
Megaerops ecaudatus	Megaerops ecaudatus	1	Megaerops ecaudatus	Pteropodidae	Malaysia
Megaerops niphanae	Megaerops niphanae	1	Megaerops niphanae	Pteropodidae	Cambodia, Lao PDR
Megaloglossus azagnyi	Megaloglossus azagnyi	1	Megaloglossus azagnyi	Pteropodidae	Guinea
Megaloglossus woermanni	Megaloglossus woermanni	1	Megaloglossus woermanni	Pteropodidae	Cameroon, DR Congo
Mesophylla macconnelli	Mesophylla macconnelli	1	Mesophylla macconnelli	Phyllostomidae	Bolivia, Brazil, Peru
Micronycteris hirsuta	Micronycteris hirsuta	1	Micronycteris hirsuta	Phyllostomidae	Brazil
Micronycteris megalotis	Micronycteris megalotis	1	Micronycteris megalotis	Phyllostomidae	Brazil
Micronycteris microtis	Micronycteris microtis	1	Micronycteris microtis	Phyllostomidae	Brazil, Mexico
Micronycteris minuta	Micronycteris minuta	1	Micronycteris minuta	Phyllostomidae	Brazil
Micronycteris nicefori	Trinycteris nicefori	1	Trinycteris nicefori	Phyllostomidae	Peru
Micronycteris schmidti	Micronycteris schmidti	1	Micronycteris schmidti	Phyllostomidae	Mexico
Micropteropus pusillus	Micropteropus pusillus	1	Micropteropus pusillus	Pteropodidae	Cameroon, DR Congo
Mimetillus moloneyi	Mimetillus moloneyi	1	Mimetillus moloneyi	Vespertilionidae	Republic of Congo
Mimon cozumelae	Mimon cozumelae	1	Mimon cozumelae	Phyllostomidae	Mexico
Mimon crenulatum	Gardnerycteris crenulatum	1	Gardnerycteris crenulatum	Phyllostomidae	Brazil, Mexico
Miniopterus australis	Miniopterus australis	1	Miniopterus australis	Miniopteridae	Malaysia

Miniopterus inflatus	Miniopterus inflatus	1	Miniopterus inflatus	Miniopteridae	Cameroon, Gabon
Miniopterus maghrebi	Miniopterus maghrebi	1	Miniopterus maghrebi	Miniopteridae	Jordan
Miniopterus magnater	Miniopterus magnater	1	Miniopterus magnater	Miniopteridae	Thailand
Miniopterus medius	Miniopterus medius	1	Miniopterus medius	Miniopteridae	Malaysia-Peninsula
Miniopterus minor	Miniopterus minor	1	Miniopterus minor	Miniopteridae	Tanzania
Miniopterus nimbae	Miniopterus nimbae	1	Miniopterus inflatus	Miniopteridae	Liberia
Miniopterus paululus	Miniopterus paululus	1	Miniopterus paululus	Miniopteridae	Malaysia-Sabah
Miniopterus pusillus	Miniopterus pusillus	1	Miniopterus pusillus	Miniopteridae	China, Thailand
Miniopterus schreibers	Miniopterus schreibers	1	Miniopterus schreibers	Miniopteridae	Cameroon, China
Molossus currentium	Molossus currentium	1	Molossus currentium	Molossidae	Bolivia
Molossus molossus	Molossus molossus	1	Molossus molossus	Molossidae	Bolivia, Brazil
Molossus rufus	Molossus rufus	1	Molossus rufus	Molossidae	Bolivia
Mops brachypterus	Mops brachypterus	1	Mops brachypterus	Molossidae	DR Congo, Ivory Coast
Mops condylurus	Mops condylurus	1	Mops condylurus	Molossidae	Cameroon, DR Congo
Mops demonstrator	Mops demonstrator	1	Mops demonstrator	Molossidae	Cameroon
Mops midas	Mops midas	1	Mops midas	Molossidae	Ethiopia
Mops mops	Mops mops	1	Mops mops	Molossidae	Malaysia
Mops nanulus	Mops nanulus	1	Mops nanulus	Molossidae	DR Congo
Mops thersites	Mops thersites	1	Mops thersites	Molossidae	Ivory Coast
Mormoops megalophylla	Mormoops megalophylla	1	Mormoops megalophylla	Mormoopidae	Mexico
Murina cyclotis	Murina cyclotis	1	Murina cyclotis	Vespertilionidae	Malaysia
Murina suilla	Murina suilla	1	Murina suilla	Vespertilionidae	Malaysia
Myonycteris leptodon	Myonycteris leptodon	1	Myonycteris leptodon	Pteropodidae	Guinea, Ivory Coast
Myonycteris torquata	Myonycteris torquata	1	Myonycteris torquata	Pteropodidae	Cameroon, DR Congo
Myotis albescens	Myotis albescens	1	Myotis albescens	Vespertilionidae	Bolivia, Brazil
Myotis altarium	Myotis altarium	1	Myotis altarium	Vespertilionidae	China
Myotis annectans	Myotis annectans	1	Myotis annectans	Vespertilionidae	China
Myotis blythii	Myotis blythii	1	Myotis blythii	Vespertilionidae	China
Myotis bocagii	Myotis bocagii	1	Myotis bocagii	Vespertilionidae	Guinea, Sierra Leone
Myotis bombinus	Myotis bombinus	1	Myotis bombinus	Vespertilionidae	China
Myotis brandtii	Myotis brandtii	1	Myotis brandtii	Vespertilionidae	China
Myotis californicus	Myotis californicus	1	Myotis californicus	Vespertilionidae	Mexico
Myotis chinensis	Myotis chinensis	1	Myotis chinensis	Vespertilionidae	China
Myotis daubentonii	Myotis daubentonii	1	Myotis daubentonii	Vespertilionidae	China
Myotis emarginatus	Myotis emarginatus	1	Myotis emarginatus	Vespertilionidae	China
Myotis fimbriatus	Myotis fimbriatus	1	Myotis fimbriatus	Vespertilionidae	China
Myotis horsfieldii	Myotis horsfieldii	1	Myotis horsfieldii	Vespertilionidae	Cambodia, Malaysia
Myotis keaysi	Myotis keaysi	1	Myotis keaysi	Vespertilionidae	Bolivia, Mexico
Myotis laniger	Myotis laniger	1	Myotis laniger	Vespertilionidae	China
Myotis levis	Myotis levis	1	Myotis levis	Vespertilionidae	Brazil
Myotis longipes	Myotis longipes	1	Myotis longipes	Vespertilionidae	China
Myotis muricola	Myotis muricola	1	Myotis muricola	Vespertilionidae	Cambodia, Malaysia
Myotis myotis	Myotis myotis	1	Myotis myotis	Vespertilionidae	Bangladesh, China
Myotis nigricans	Myotis nigricans	1	Myotis nigricans	Vespertilionidae	Bolivia, Brazil, Mexico
Myotis occultus	Myotis occultus	1	Myotis occultus	Vespertilionidae	Mexico
Myotis oxyotus	Myotis oxyotus	1	Myotis oxyotus	Vespertilionidae	Bolivia
Myotis ricketti	Myotis pilosus	1	Myotis pilosus	Vespertilionidae	China, Lao PDR
Myotis ridleyi	Myotis ridleyi	1	Myotis ridleyi	Vespertilionidae	Malaysia-Peninsula
Myotis riparius	Myotis riparius	1	Myotis riparius	Vespertilionidae	Bolivia, Brazil
Myotis rosseti	Myotis rosseti	1	Myotis rosseti	Vespertilionidae	Lao PDR
Myotis secundus	Myotis secundus	1	Myotis secundus	Vespertilionidae	China
Myotis siligorensis	Myotis siligorensis	1	Myotis siligorensis	Vespertilionidae	China, Lao PDR
Myotis velifer	Myotis velifer	1	Myotis velifer	Vespertilionidae	Mexico
Myotis welwitschii	Myotis welwitschii	1	Myotis welwitschii	Vespertilionidae	Rwanda, Uganda
Nanonycteris veldkampii	Nanonycteris veldkampii	1	Nanonycteris veldkampii	Pteropodidae	Cameroon, Ivory Coast

Natalus stramineus	Natalus stramineus	1	Natalus stramineus	Natalidae	Mexico
Neopteryx frosti	Neopteryx frosti	1	Neopteryx frosti	Pteropodidae	Indonesia
Neoromicia brunnea	Pseudoromicia br	1	Neoromicia brunnea	Vespertilionidae	Republic of Congo
Neoromicia capensis	Laeophotis capensis	1	Neoromicia capensis	Vespertilionidae	Cameroon
Neoromicia isabella	Pseudoromicia is	1	Neoromicia isabella	Vespertilionidae	Guinea
Neoromicia nana	Afronycteris nana	1	Neoromicia nana	Vespertilionidae	Cameroon, DR Congo
Neoromicia rendalli	Pseudoromicia re	1	Neoromicia rendalli	Vespertilionidae	DR Congo, Guinea
Neoromicia roseveari	Pseudoromicia ro	1	Neoromicia roseveari	Vespertilionidae	Guinea
Neoromicia somalica	Neoromicia soma	1	Neoromicia somalica	Vespertilionidae	Guinea, Ivory Coast
Neoromicia tenuipinnis	Pseudoromicia te	1	Neoromicia tenuipinnis	Vespertilionidae	Cameroon, Guinea
Neoromicia zuluensis	Neoromicia zuluensis	1	Neoromicia zuluensis	Vespertilionidae	Rwanda
Noctilio albiventris	Noctilio albiventris	1	Noctilio albiventris	Noctilionidae	Bolivia
Noctilio leporinus	Noctilio leporinus	1	Noctilio leporinus	Noctilionidae	Bolivia
Nyctalus plancyi	Nyctalus plancyi	1	Nyctalus plancyi	Vespertilionidae	China
Nycteris arge	Nycteris arge	1	Nycteris arge	Nycteridae	Liberia, Uganda
Nycteris grandis	Nycteris grandis	1	Nycteris grandis	Nycteridae	Cameroon, Guinea
Nycteris hispida	Nycteris hispida	1	Nycteris hispida	Nycteridae	Cameroon, Guinea
Nycteris major	Nycteris major	1	Nycteris major	Nycteridae	Cameroon, Ivory Coast
Nycteris thebaica	Nycteris thebaica	1	Nycteris thebaica	Nycteridae	Cameroon, Egypt
Nycteris tragata	Nycteris tragata	1	Nycteris tragata	Nycteridae	Malaysia
Nycticeinops schlieffeni	Nycticeinops schlieffeni	1	Nycticeinops schlieffeni	Vespertilionidae	Cameroon, Tanzania
Nyctimene cephalotes	Nyctimene cephalotes	1	Nyctimene cephalotes	Pteropodidae	Indonesia
Nyctinomops laticauda	Nyctinomops laticauda	1	Nyctinomops laticauda	Molossidae	Mexico
Nyctinomops macrotis	Nyctinomops macrotis	1	Nyctinomops macrotis	Molossidae	Mexico
Otomops martiensseni	Otomops martiensseni	1	Otomops martiensseni	Molossidae	Rwanda
Penthetor lucasi	Penthetor lucasi	1	Penthetor lucasi	Pteropodidae	Malaysia
Phoniscus atrox	Phoniscus atrox	1	Phoniscus atrox	Vespertilionidae	Malaysia
Phoniscus jagorii	Phoniscus jagorii	1	Phoniscus jagorii	Vespertilionidae	Malaysia
Phylloderma stenops	Phylloderma stenops	1	Phylloderma stenops	Phyllostomidae	Bolivia, Brazil, Mexico
Phyllostomus discolor	Phyllostomus discolor	1	Phyllostomus discolor	Phyllostomidae	Brazil, Mexico
Phyllostomus elongatus	Phyllostomus elongatus	1	Phyllostomus elongatus	Phyllostomidae	Bolivia, Brazil, Peru
Phyllostomus hastatus	Phyllostomus hastatus	1	Phyllostomus hastatus	Phyllostomidae	Bolivia, Brazil, Peru
Pipistrellus abramus	Pipistrellus abramus	1	Pipistrellus abramus	Vespertilionidae	China
Pipistrellus coromandus	Pipistrellus coromandus	1	Pipistrellus coromandus	Vespertilionidae	Bangladesh, Cameroon
Pipistrellus hesperidus	Pipistrellus hesperidus	1	Pipistrellus hesperidus	Vespertilionidae	Uganda
Pipistrellus inexpectatus	Pipistrellus inexpectatus	1	Pipistrellus inexpectatus	Vespertilionidae	Cameroon, Senegal
Pipistrellus javanicus	Pipistrellus javanicus	1	Pipistrellus javanicus	Vespertilionidae	Cambodia
Pipistrellus kuhlii	Pipistrellus kuhlii	1	Pipistrellus kuhlii	Vespertilionidae	Egypt, Jordan
Pipistrellus nanulus	Pipistrellus nanulus	1	Pipistrellus nanulus	Vespertilionidae	Cameroon, DR Congo
Pipistrellus paterculus	Pipistrellus paterculus	1	Pipistrellus paterculus	Vespertilionidae	Cambodia, Laos, Peru
Pipistrellus pipistrellus	Pipistrellus pipistrellus	1	Pipistrellus pipistrellus	Vespertilionidae	China
Pipistrellus rusticus	Pipistrellus rusticus	1	Pipistrellus rusticus	Vespertilionidae	Cameroon, Sierra Leone
Pipistrellus tenuis	Pipistrellus tenuis	1	Pipistrellus tenuis	Vespertilionidae	China
Platyrrhinus brachycephalus	Platyrrhinus brachycephalus	1	Platyrrhinus brachycephalus	Phyllostomidae	Bolivia
Platyrrhinus dorsalis	Platyrrhinus dorsalis	1	Platyrrhinus dorsalis	Phyllostomidae	Bolivia
Platyrrhinus fusciventris	Platyrrhinus fusciventris	1	Platyrrhinus fusciventris	Phyllostomidae	Brazil
Platyrrhinus helleri	Platyrrhinus helleri	1	Platyrrhinus helleri	Phyllostomidae	Brazil, Mexico, Peru
Platyrrhinus lineatus	Platyrrhinus lineatus	1	Platyrrhinus lineatus	Phyllostomidae	Brazil
Plecotus auritus	Plecotus auritus	1	Plecotus auritus	Vespertilionidae	China
Plerotes anchietae	Plerotes anchietae	1	Plerotes anchietae	Pteropodidae	Uganda
Promops nasutus	Promops nasutus	1	Promops nasutus	Molossidae	Bolivia
Pteronotus davyi	Pteronotus davyi	1	Pteronotus davyi	Mormoopidae	Mexico
Pteronotus parnellii	Pteronotus parnellii	1	Pteronotus parnellii	Mormoopidae	Brazil, Mexico
Pteronotus personatus	Pteronotus personatus	1	Pteronotus personatus	Mormoopidae	Mexico
Pteropus alecto	Pteropus alecto	1	Pteropus alecto	Pteropodidae	Indonesia

Pteropus conspicillatus	Pteropus conspic	1	Pteropus conspicillatus	Pteropodidae	Indonesia
Pteropus giganteus	Pteropus medius	1	Pteropus giganteus	Pteropodidae	Bangladesh, Myan
Pteropus hypomelanus	Pteropus hypome	1	Pteropus hypomela	Pteropodidae	Malaysia, Myanm
Pteropus lylei	Pteropus lylei	1	Pteropus lylei	Pteropodidae	Cambodia, Thaila
Pteropus pumilus	Pteropus pumilus	1	Pteropus pumilus	Pteropodidae	Malaysia
Pteropus vampyrus	Pteropus vampyr	1	Pteropus vampyrus	Pteropodidae	Indonesia, Malays
Pygoderma bilabiatum	Pygoderma bilabi	1	Pygoderma bilabiatus	Phyllostomidae	Brazil
Rhinolophus acuminatus	Rhinolophus acur	1	Rhinolophus acuminatus	Rhinolophidae	Malaysia
Rhinolophus affinis	Rhinolophus affin	1	Rhinolophus affinis	Rhinolophidae	Cambodia, China
Rhinolophus alcyone	Rhinolophus alcyo	1	Rhinolophus alcyon	Rhinolophidae	Cameroon, Liber
Rhinolophus blasii	Rhinolophus blas	1	Rhinolophus blasii	Rhinolophidae	Liberia, Jordan
Rhinolophus clivosus	Rhinolophus clivo	1	Rhinolophus clivost	Rhinolophidae	Rwanda
Rhinolophus coelophyl	Rhinolophus coel	1	Rhinolophus coelops	Rhinolophidae	Thailand
Rhinolophus cornutus	Rhinolophus corn	0		Rhinolophidae	China
Rhinolophus creaghi	Rhinolophus crea	1	Rhinolophus creaghi	Rhinolophidae	Malaysia
Rhinolophus denti	Rhinolophus dent	1	Rhinolophus denti	Rhinolophidae	Guinea
Rhinolophus eloquens	Rhinolophus eloq	1	Rhinolophus eloquens	Rhinolophidae	Liberia, Rwanda
Rhinolophus euryale	Rhinolophus eury	1	Rhinolophus euryale	Rhinolophidae	Jordan
Rhinolophus ferrumeq	Rhinolophus ferru	1	Rhinolophus ferrum	Rhinolophidae	China, Jordan
Rhinolophus fumigatus	Rhinolophus fumi	1	Rhinolophus fumigatus	Rhinolophidae	Cameroon, Ivory C
Rhinolophus landeri	Rhinolophus land	1	Rhinolophus landeri	Rhinolophidae	Cameroon, Liber
Rhinolophus lepidus	Rhinolophus lepid	1	Rhinolophus lepidus	Rhinolophidae	Bangladesh, Chin
Rhinolophus luctus	Rhinolophus luctu	1	Rhinolophus luctus	Rhinolophidae	Cambodia, China
Rhinolophus macrotis	Rhinolophus mac	1	Rhinolophus macro	Rhinolophidae	China
Rhinolophus malayanu	Rhinolophus mal	1	Rhinolophus malay	Rhinolophidae	Cambodia, Malay
Rhinolophus mehelyi	Rhinolophus meh	1	Rhinolophus meheli	Rhinolophidae	Jordan
Rhinolophus pearsonii	Rhinolophus pear	1	Rhinolophus pearsoni	Rhinolophidae	China, Lao PDR
Rhinolophus philippine	Rhinolophus philip	1	Rhinolophus philipp	Rhinolophidae	Malaysia
Rhinolophus pusillus	Rhinolophus pusil	1	Rhinolophus pusillus	Rhinolophidae	Cambodia, China
Rhinolophus rex	Rhinolophus rex	1	Rhinolophus rex	Rhinolophidae	China, Malaysia
Rhinolophus robinsoni	Rhinolophus robir	1	Rhinolophus robinsoni	Rhinolophidae	Malaysia
Rhinolophus sedulus	Rhinolophus sedu	1	Rhinolophus sedulus	Rhinolophidae	Malaysia
Rhinolophus shameli	Rhinolophus shar	1	Rhinolophus shamei	Rhinolophidae	Cambodia, Lao P
Rhinolophus shortridge	Rhinolophus shor	1	Rhinolophus shortridgei	Rhinolophidae	Bangladesh
Rhinolophus siamensis	Rhinolophus siam	1	Rhinolophus siamensis	Rhinolophidae	China
Rhinolophus sinicus	Rhinolophus sinic	1	Rhinolophus sinicus	Rhinolophidae	China
Rhinolophus sthenos	Rhinolophus sthe	1	Rhinolophus sthenos	Rhinolophidae	Lao PDR, Malays
Rhinolophus thomasi	Rhinolophus thorr	1	Rhinolophus thomasi	Rhinolophidae	China
Rhinolophus trifolius	Rhinolophus trifol	1	Rhinolophus trifolius	Rhinolophidae	Malaysia
Rhinophylla fischeri	Rhinophylla fische	1	Rhinophylla fischeri	Phyllostomidae	Brazil
Rhinophylla pumilio	Rhinophylla pumil	1	Rhinophylla pumilio	Phyllostomidae	Brazil, Peru
Rhinopoma hardwickii	Rhinopoma hardw	1	Rhinopoma hardwickii	Rhinopomatidae	Jordan, Ethiopia
Rhinopoma microphyll	Rhinopoma micro	1	Rhinopoma microphyllum	Rhinopomatidae	Cameroon, Jorda
Rhogeessa io	Rhogeessa io	1	Rhogeessa io	Vespertilionidae	Bolivia
Rhynchonycteris naso	Rhynchonycteris	1	Rhynchonycteris naso	Emballonuridae	Brazil, Mexico
Rousettus aegyptiacus	Rousettus aegypt	1	Rousettus aegyptiacus	Pteropodidae	Cameroon, DR C
Rousettus amplexicaulus	Rousettus amplex	1	Rousettus amplexicaulus	Pteropodidae	Cambodia, Indon
Rousettus lanosus	Stenonycteris lan	1	Rousettus lanosus	Pteropodidae	Rwanda
Rousettus leschenaulti	Rousettus lesche	1	Rousettus leschenaulti	Pteropodidae	Bangladesh, Cam
Saccolaimus saccolaim	Saccolaimus sac	1	Saccolaimus saccolaimus	Emballonuridae	Bangladesh
Saccopteryx bilineata	Saccopteryx biline	1	Saccopteryx bilineata	Emballonuridae	Brazil, Mexico
Saccopteryx canescens	Saccopteryx cane	1	Saccopteryx canescens	Emballonuridae	Brazil
Saccopteryx gymnura	Saccopteryx gym	1	Saccopteryx gymnura	Emballonuridae	Brazil
Saccopteryx leptura	Saccopteryx leptu	1	Saccopteryx leptura	Emballonuridae	Brazil
Scotoecus albigula	Scotoecus albigul	1	Scotoecus albigula	Vespertilionidae	Uganda

Scotoecus albofusus	Scotoecus albofu: 1	Scotoecus albofusus	Vespertilionidae	Uganda
Scotoecus hirundo	Scotoecus hirund: 1	Scotoecus hirundo	Vespertilionidae	Cameroon
Scotomanes ornatus	Scotomanes orna: 1	Scotomanes ornatus	Vespertilionidae	China
Scotonycteris zenkeri	Scotonycteris zen: 1	Scotonycteris zenkeri	Pteropodidae	Cameroon, Ivory C
Scotophilus dinganii	Scotophilus dinga: 1	Scotophilus dingani	Vespertilionidae	Cameroon, DR C
Scotophilus heathii	Scotophilus heath: 1	Scotophilus heathii	Vespertilionidae	Bangladesh, Chin
Scotophilus kuhlii	Scotophilus kuhlii: 1	Scotophilus kuhlii	Vespertilionidae	Bangladesh, Cam
Scotophilus leucogaster	Scotophilus leuco: 1	Scotophilus leucogaster	Vespertilionidae	Cameroon, Guine
Scotophilus nux	Scotophilus nux: 1	Scotophilus nux	Vespertilionidae	Cameroon, Guine
Scotophilus viridis	Scotophilus viridis: 1	Scotophilus viridis	Vespertilionidae	Rwanda, Guinea,
Scotozous dormeri	Scotozous dorme: 1	Scotozous dormeri	Vespertilionidae	China
Sturnira erythromos	Sturnira erythrom: 1	Sturnira erythromos	Phyllostomidae	Bolivia
Sturnira lilium	Sturnira lilium: 1	Sturnira lilium	Phyllostomidae	Bolivia, Brazil, Me
Sturnira ludovici	Sturnira ludovici: 1	Sturnira ludovici	Phyllostomidae	Mexico
Sturnira magna	Sturnira magna: 1	Sturnira magna	Phyllostomidae	Peru
Sturnira oporaphilum	Sturnira oporaphil: 1	Sturnira oporaphilum	Phyllostomidae	Bolivia
Sturnira tildae	Sturnira tildae: 1	Sturnira tildae	Phyllostomidae	Bolivia, Brazil
Styloctenium wallacei	Styloctenium wall: 1	Styloctenium wallacei	Pteropodidae	Indonesia
Tadarida brasiliensis	Tadarida brasilier: 1	Tadarida brasiliensis	Molossidae	Bolivia, Mexico
Tadarida latouchei	Tadarida latouche: 1	Tadarida latouchei	Molossidae	China
Tadarida teniotis	Tadarida teniotis: 1	Tadarida teniotis	Molossidae	China
Taphozous longimanus	Taphozous longin: 1	Taphozous longimanus	Emballonuridae	Cambodia, Thaila
Taphozous mauritanus	Taphozous mauri: 1	Taphozous mauritanus	Emballonuridae	Cameroon, DR C
Taphozous melanopogon	Taphozous melar: 1	Taphozous melanopogon	Emballonuridae	Bangladesh, Cam
Taphozous perforatus	Taphozous perfor: 1	Taphozous perforatus	Emballonuridae	Egypt
Taphozous theobaldi	Taphozous theob: 1	Taphozous theobaldi	Emballonuridae	Lao PDR, Thailan
Thoopterus nigrescens	Thoopterus nigres: 1	Thoopterus nigrescens	Pteropodidae	Indonesia
Thyroptera discifera	Thyroptera discife: 1	Thyroptera discifera	Thyropteridae	Brazil
Tonatia bidens	Tonatia bidens: 1	Tonatia bidens	Phyllostomidae	Brazil, Peru
Tonatia saurophila	Tonatia bakeri: 1	Tonatia saurophila	Phyllostomidae	Brazil, Mexico, Pe
Trachops cirrhosus	Trachops cirrhos: 1	Trachops cirrhosus	Phyllostomidae	Brazil, Mexico, Pe
Triaenops persicus	Triaenops persicu: 1	Triaenops persicus	Rhinonycteridae	Republic of Cong
Trinycteris nicefori	Trinycteris nicefor: 1	Trinycteris nicefori	Phyllostomidae	Bolivia, Brazil
Tylonycteris pachypus	Tylonycteris pach: 1	Tylonycteris pachypus	Vespertilionidae	Bangladesh, Chin
Tylonycteris robustula	Tylonycteris robu: 1	Tylonycteris robustula	Vespertilionidae	Bangladesh, Cam
Uroderma bilobatum	Uroderma bilobat: 1	Uroderma bilobatum	Phyllostomidae	Bolivia, Brazil, Me
Uroderma magnirostrum	Uroderma magnir: 1	Uroderma magnirostrum	Phyllostomidae	Bolivia
Vampyriscus bidens	Vampyriscus bide: 1	Vampyriscus bidens	Phyllostomidae	Bolivia, Peru
Vampyressa pusilla	Vampyressa pusil: 1	Vampyressa pusilla	Phyllostomidae	Brazil
Vampyressa thyone	Vampyressa thyo: 1	Vampyressa thyone	Phyllostomidae	Bolivia
Vampyrodes caraccioli	Vampyrodes cara: 1	Vampyrodes caraccioli	Phyllostomidae	Mexico, Peru
Vampyrum spectrum	Vampyrum spectr: 1	Vampyrum spectrum	Phyllostomidae	Brazil, Mexico
Vespertilio murinus	Vespertilio murinu: 1	Vespertilio murinus	Vespertilionidae	China
Vespertilio sinensis	Vespertilio sinens: 1	Vespertilio sinensis	Vespertilionidae	China



Samples	Positive	Viruses
357	0	
3	0	
112	1	PREDICT_CoV-12 (alpha)
4	0	
5	0	
15	0	
3	0	
4	0	
1	0	
1	0	
7	0	
291	0	
486	0	
73	1	PREDICT_CoV-11 (beta)
217	1	PREDICT_CoV-4 (alpha)
43	0	
374	1	strain of Bat coronavirus HKU2 (rhina), strain of Hipposideros_Bat_Alpha
36	0	
25	0	
24	0	
4	0	
12	0	
98	0	
32	0	
20	0	
527	0	
204	0	
5	0	
7	0	
17	0	
78	0	
2844	1	PREDICT_CoV-41 (beta), PREDICT_CoV-47 (alpha), PREDICT_CoV-8:
3683	1	strain of Chaerephon bat coronavirus/Kenya/KY22/2006 (alpha), strain o
1	0	
3	0	
3	0	
10	0	
14	0	
4	0	
2	0	
8	0	
4	0	
224	0	

1	0	
12	0	
81	0	
273	1	PREDICT_CoV-78 (alpha)
66	1	strain of Philippines/Diliman1525G2/2008 (nobe)
10	0	
1247	1	PREDICT_CoV-56 (nobe), PREDICT_CoV-24 (nobe), PREDICT_CoV-1
20	0	
106	0	
31	0	
5	0	
19	0	
5	0	
5626	1	strain of Eidolon bat coronavirus (nobe), strain of Kenya bat coronavirus/
7	0	
2	0	
724	1	PREDICT_CoV-22 (nobe), strain of Bat coronavirus HKU9 (nobe), PREI
1201	1	strain of Kenya bat coronavirus/BtKY56/BtKY55 (nobe), strain of Eidolon
210	0	
15	0	
59	1	strain of Kenya bat coronavirus/BtKY56/BtKY55 (nobe)
597	1	PREDICT_CoV-35 (alpha), strain of Kenya bat coronavirus/BtKY56/BtKY
2	0	
2	0	
1	0	
5	0	
1	0	
20	1	strain of Kenya bat coronavirus BtKY66/65/63/60 (alpha), PREDICT_CoV
10	1	strain of Bat coronavirus Hipposideros, strain of Chaerephon bat corona
15	0	
15	0	
4	0	
250	0	
1	0	
2	0	
1	0	
6	0	
372	0	
3	0	
20	0	
1219	1	Coronavirus 229E (duvina), PREDICT_CoV-44 (hibe), strain of Bat coror
144	1	PREDICT_CoV-76, PREDICT_CoV-52 (alpha), PREDICT_CoV-78 (alph
170	0	
21	1	Coronavirus 229E (duvina)
88	0	
148	1	PREDICT_CoV-52 (alpha)
3	0	
8	1	PREDICT_CoV-81 (beta)
411	0	
741	1	PREDICT_CoV-54 (alpha), strain of Zaria Bat Coronavirus (hibe)
90	0	
766	1	strain of Bat coronavirus HKU9 (nobe), PREDICT_CoV-95, PREDICT_C

101	1	strain of Bat Coronavirus HKU10 (alpha), PREDICT_CoV-27 (alpha)
1	0	
168	1	strain of Bat Coronavirus HKU10 (alpha)
89	0	
2	0	
7277	1	PREDICT_CoV-81, PREDICT_CoV-44 (hibe), strain of Bat coronavirus I
1	0	
24	0	
10	0	
175	0	
1	0	
1	0	
1	0	
6	0	
108	0	
1	0	
5	0	
12	1	PREDICT_CoV-101
9	0	
1	0	
2	0	
9	0	
10	1	PREDICT_CoV-78 (alpha)
1	0	
1	0	
4	0	
6	0	
10	0	
4	1	PREDICT_CoV-13 (alpha)
1	0	
746	1	Coronavirus 229E (duvina), PREDICT_CoV-44 (hibe), PREDICT_CoV-7
13	0	
1	0	
2	0	
8	0	
103	0	
143	0	
732	1	PREDICT_CoV-103 (alpha)
22	0	
6	1	strain of Philippines/Diliman1525G2/2008 (nobe)
132	0	
1	0	
344	1	PREDICT_CoV-30 (nobe)
15	1	PREDICT_CoV-4 (alpha)
4	0	
1	0	
3	0	
1	0	
1	0	
14	0	
870	1	strain of Kenya bat coronavirus/BtKY56/BtKY55 (nobe), strain of Chaere
1	0	
1	0	
69	0	
6	0	

338	0	
1	0	
113	1	strain of Bat Coronavirus 1 (alpha)
6	0	
1	0	
571	0	
4	0	
261	1	strain of Bat Coronavirus 1 (alpha), strain of bat coronavirus HKU6 (alph
623	1	strain of Bat Coronavirus 1 (alpha), strain of Bat coronavirus HKU8 (alph
29	0	
125	0	
6	0	
12	0	
3336	1	strain of Chaerephon bat coronavirus/Kenya/KY22/2006 (alpha), strain o
7	0	
499	1	PREDICT_CoV-114 (alpha)
3	0	
1	0	
44	0	
15	0	
4	0	
4	0	
53	0	
96	1	PREDICT_CoV-66 (nobe)
13	0	
18	0	
1	0	
15	0	
7	0	
1	0	
10	0	
3	0	
29	0	
61	1	strain of bat coronavirus HKU6 (alpha)
1	0	
11	1	strain of Myotis alphacoronavirus (alpha)
66	1	strain of Porcine epidemic diarrhea virus (alpha), PREDICT_CoV-52 (alp
35	0	
212	1	strain of bat coronavirus HKU6 (alpha), PREDICT_CoV-60 (alpha), PRE
1	0	
141	0	
23	0	
12	0	
33	0	
1	0	
82	0	
415	1	strain of bat coronavirus HKU6 (alpha), strain of Bat coronavirus 512/200
1	0	
4	0	
1	0	
1	0	
273	1	strain of Bat coronavirus HKU2 (rhina), strain of bat coronavirus HKU6 (α
17	0	
1	1	strain of Kenya bat coronavirus BtKY33/2006 (alpha), strain of Kenya ba
37	0	

34	0	
1	0	
10	0	
3	0	
2	0	
39	0	
13	0	
2	0	
5	1	strain of Eidolon bat coronavirus
28	0	
1	0	
2	0	
1	0	
30	0	
66	0	
33	0	
32	0	
2	0	
27	0	
2	1	PREDICT_CoV-87 (alpha)
5	0	
18	0	
4	0	
35	0	
137	1	strain of Chaerephon bat coronavirus/Kenya/KY22/2006 (alpha)
45	0	
1	0	
1	0	
6	0	
123	0	
22	0	
71	0	
10	0	
43	1	PREDICT_CoV-87 (alpha)
14	1	MERS-like Coronavirus (merbe)
189	0	
1	0	
186	0	
30	0	
2	0	
151	0	
3	0	
4	0	
5	0	
1	0	
8	0	
46	0	
6	0	
13	0	
4	0	
1	0	
6	0	
144	0	
6	0	
1092	0	

3	1	PREDICT_CoV-67
4123	1	PREDICT_CoV-17 (nobe), PREDICT_CoV-68 (nobe), PREDICT_CoV-1
145	0	
4252	1	PREDICT_CoV-16 (nobe), PREDICT_CoV-17 (nobe), PREDICT_CoV-6
2	0	
38	0	
1	0	
4	1	PREDICT_CoV-78 (alpha)
288	1	strain of Bat coronavirus HKU2 (rhina), strain of Rhinolophus/Hipposider
6	0	
1	1	strain of Bat Alphacoronavirus/GS2013/HuB2013 (alpha)
12	0	
7	0	
1	0	
565	1	PREDICT_CoV-110, PREDICT_CoV-78 (alpha), PREDICT_CoV-84, PR
2	0	
14	0	
1	1	strain of Bat Alphacoronavirus/GS2013/HuB2013 (alpha)
112	1	PREDICT_CoV-65 (alpha)
97	0	
27	0	
181	1	PREDICT_CoV-89 (alpha)
20	0	
12	0	
7	0	
5	1	strain of Bat Alphacoronavirus/GS2013/HuB2013 (alpha)
32	0	
37	0	
577	1	PREDICT_CoV-79 (alpha), strain of Bat coronavirus HKU2 (rhina), PREI
24	0	
3	0	
15	0	
53	0	
2	0	
6	0	
513	1	strain of Bat coronavirus HKU2 (rhina), strain of SARS-related betacoror
23	0	
13	1	strain of Bat coronavirus HKU2 (rhina)
58	1	PREDICT_CoV-78 (alpha)
8	0	
48	0	
783	1	strain of Bat Alphacoronavirus/GS2013/HuB2013 (alpha), PREDICT_Co
17	0	
2	0	
4	0	
6474	1	strain of Bat coronavirus HKU9 (nobe), strain of Rousettus Bat Coronavi
250	0	
22	0	
1311	1	PREDICT_CoV-22 (nobe), strain of Bat coronavirus HKU9 (nobe), Rous
7	0	
5	0	
1	0	
1	0	
1	0	
8	0	

3	0	
1	0	
2	0	
7	0	
56	0	
76	1	PREDICT_CoV-90 (alpha), PREDICT_CoV-35 (alpha)
144973	1	strain of Bat coronavirus 512/2005 (alpha), PREDICT_CoV-35 (alpha), F
41	0	
4	1	PREDICT_CoV-35 (alpha)
53	0	
1	0	
20	1	PREDICT_CoV-40 (alpha)
255	0	
70	0	
5	0	
17	0	
12	0	
9	0	
66	0	
3	0	
36	0	
45	0	
17	0	
437	0	
10	0	
3	0	
189	0	
1	0	
2	0	
11	0	
13	0	
103	0	
4	0	
289	1	PREDICT_CoV-88 (alpha), PREDICT_CoV-86 (beta), PREDICT_CoV-10
44	0	
31	0	
1	0	
5	0	
1	0	
1	0	
2	0	
3	0	
3	0	
39	0	

f Chaerephon bat coronavirus/Kenya/KY41/2006 (alpha), strain of Eidolon bat coronavirus (nobe)



PREDICT\_CoV-23 (nobe), Rousettus Bat Coronavirus GCCDC1/346/356 (nobe), PREDICT\_CoV-87 (alpha)  
bat coronavirus (nobe), PREDICT\_CoV-102 (nobe), strain of Chaerephon bat coronavirus/Kenya/KY22/2006

-hipposideros, Coronavirus 229E (duvina), strain of Kenya bat coronavirus/BtKY56/BtKY55 (nobe), PREDICT\_

7, strain of Kenya bat coronavirus/BtKY56/BtKY55 (nobe), strain of Eidolon bat coronavirus (nobe)

f Kenya bat coronavirus/BtKY56/BtKY55 (nobe), PREDICT\_CoV-90, PREDICT\_CoV-106, strain of Chaereph



os Alphacoronavirus (alpha), strain of SARS-related betacoronavirus Rp3/2004 (sarbe), strain of SARS-relate

avirus Rp3/2004 (sarbe), Bat Coronavirus RS3376 (alpha), Rousettus Bat Coronavirus GCCDC1/346/356 (no

V-65 (alpha), PREDICT\_CoV-114 (alpha), strain of Eidolon bat coronavirus (nobe), strain of Bat coronavirus t

rus/NRC-2 (nobe), strain of Bat Alphacoronavirus/GS2013/HuB2013 (alpha), strain of Bat Coronavirus BM48-

ettus Bat Coronavirus GCCDC1/346/356 (nobe), strain of Rousettus Bat Coronavirus/NRC-2 (nobe)















sd betacoronavirus RsSHC014 (sarbe), strain of Hipposideros\_Bat\_Alphacoronavirus\_ MJ/67C (alpha)

.31/BGR/2008 (sarbe), strain of Rousettus Bat Coronavirus/NRC-1 (nobe), PREDICT\_CoV-97 (alpha), strain (















of Eidolon bat coronavirus (nobe), strain of Bat coronavirus Hipposideros, PREDICT\_CoV-117 (beta), strain o















if Chaerephon bat coronavirus/Kenya/KY22/2006 (alpha)

<b>Subgenus</b>	<b>Associated bat families</b>	<b>Important specie</b>
Setracovirus	Rhynonycteridae	HCoV-NL63
Duvinacovirus	Hipposideridae	HCoV-229E
Rhinacovirus	Rhinolophidae	SADS-CoV
Sarbecovirus	Hipposideridae, Rhinolophidae	SARS-CoV, SARS
Merbecovirus	Nycteridae, Emballonuridae, Molossidae, Vespertilionidae	MERS-CoV
Nobecovirus	Pteropodidae	HKU9
Hibecovirus	Hipposideridae	Bat Hp-betacoron

avirus/Zhejiang2013

Study type	Description
<b>Experimental</b>	Experimental infection of individual bats or bat cell lines, or other viral manipulations in a controlled environment.
<b>Longitudinal</b>	Repeated sampling of individuals, single populations, or multiple populations over time; ideally, this occurs in closed populations with known individual life-histories.
<b>Cross-sectional (intra-species)</b>	

Sampling of a bat population or population subgroup(s) at a specific timepoint.

**Cross-sectional  
(inter-species)**

Sampling of bat assemblages or a subset of a bat assemblage (>1 species) at a specific timepoint.

**Sequeuncing only**

Viral sequencing on samples collected during longitudinal or cross-sectional sampling; little collection of data on other covariates.

**Multi-pathogen  
detection**

Detection of multiple pathogens (virus families, strains, or other parasite taxa) using metagenomic sequencing or other targeted methods on samples collected during cross-sectional or longitudinal sampling at the individual- or population-level .









































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## What we know

## # of studies

Most studies claim bats appear to be healthy or find no difference between weight and CoV infection status (although one paper claims that low BCI associated with CoV infection; Wacharapluesadee et al). Most studies show annual and seasonal variation in in prevalence within and among host species. Most studies show difference in prevalence with age, sex, and reproductive status where higher prevalence and viral loads are detected in reproductive (lactating) females and juveniles (Lazov, Montecino, Wang, Hu, Wacharapluesadee). Typically, this results in pulses of CoV excretion during maternity colony formation and after birth. Few studies show no differences between sexes. There is mixed evidence on host restriction of CoV strains.

Bats may be infected with one or more strains of CoV. Multiple strains of CoVs detected within one host species (Subudhi et al 2017, Balboni et al 2010, Du et al 2016) and CoVs may have regional differences within a single host species (Du et al 2016). CoVs persist in (North American) bat populations throughout hibernation period. CoVs not associated with inflammation and bats appear to be healthy. Mixed evidence of the effect of age, sex, repro status on CoV infection status (likely due to sampling scheme)

There is high variation in prevalence within and among species. A high diversity of CoVs have been detected in bats across the world. High prevalence of CoV antibodies in bats indicated that CoVs are endemic to bat populations. In naturally infected bats, CoV can be detected in the lungs, liver, and intestines, reflecting the potential routes of infection and excretion.

There is mixed evidence on host-restriction. Some studies show that the same species in different locations harbor the same CoV strains. Co-infections with multiple CoVs and other viruses can occur. Although there is a strong signal of coevolution, some studies show hosts co-infected with multiple CoVs (particularly at shared roost sites) and other studies have shown high likelihood of recombination between strains. Host switching may drive CoV evolution.

Bats are the major evolutionary reservoirs of CoVs and likely reservoir of CoVs that are close relatives of SARS-CoV, MERS-CoV, and other human CoVs. SARS-like CoVs geographically widespread where closely related CoVs have been detected in

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## What we can learn

Characterization of newly detected viruses

Bat species susceptibility to infection and dose-response relationships

Magnitude, quality, and kinetics of immune responses to pathogens, and mechanisms of viral control or tolerance

Disease pathogenesis (or lack thereof)

Individual and within-host infection, disease, and immunological processes, especially those required for dynamic modeling (e.g., infectious periods, acute vs. latent infections, waning immunity, etc.)

Tissue tropism and routes of virus excretion and transmission.

Receptor binding efficiency in bats and other potential hosts

Facilitative or antagonistic interactions between coinfecting viruses

Virus surface survival and sensitivity to heat or desiccation.

Development of model systems, laboratory protocols, and screening tools for the field.

Spillover potential to other/novel hosts

Some spatial and temporal dynamics of pathogens in populations, and maybe in individuals.

Spatiotemporal patterns of infection (e.g., travelling waves)

Transmission rates and dynamics, using carefully collected age-prevalence and age-seroprevalence data

Variation in prevalence/seroprevalence with host traits or environmental covariates.

required for dynamic modeling (e.g., seasonality, maybe transmission rates, life-history traits)

Some dynamics of co-circulating viruses

Interventions that might reduce prevalence or magnitude of an epizootic or enzootic

Genetic variation of strains within host population(s)

Spatial distribution of strains within host population(s)

Some differences between demographic stages (dependent on sampling time-point)

Possible to integrate with longitudinal studies of same species

Natural routes of excretion

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Identity of potential reservoir hosts

Potential exchange of strains between hosts

Host and geographic factors that impact viral diversity

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Comparative genomics

Mutation and evolutionary rates.

Virus discovery

Effective population size and genetic diversity of virus within or across subpopulations.

Some information on viral dynamics may be possible (e.g., through phylo

Viral species diversity, abundance, and community dynamics



Some information about periods of potential spillover risk for newly detected viruses not yet known to be zoonotic.

Coinfection and some insight into interactive effects of viruses on hosts.







































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## Advantages

Ability to test Koch's postulates using different strains and bat species

Causal inference

Controlled environment

Rapid technological advances make diagnostic tools affordable

Relies on existing viral isolates; cannot isolate new pathogens

Relatively rapid data acquisition

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Ability to identify and isolate novel pathogens

May have ability to repeatedly collect covariate data or track life-histories of individuals

More power to exclude time-invariant differences between individuals, populations, or environments

Identification of temporal trends (e.g., seasonality)

Potential for forecasting and prediction

Intervention analysis

Relationship between time-series variables

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Relatively fast and inexpensive.

Sampling of isolated populations can help distinguish between population-level pathogen persis

Can sample populations adaptively in response to spillover

Ability to isolate pathogens

Some ability to detect spatial variation or statistically analyze differences.

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Rapid detection of viruses in multiple species

Ability to isolate pathogens

Some ability to detect species-level differences

Relatively fast and inexpensive.

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Requires little background knowledge of study system

Relatively inexpensive; rapid data acquisition.

May require little to no fieldwork if samples are already available.

dynamics)

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Can be combined with next-generation sequencing to identify viral communities.

May require little to no fieldwork if samples are already available.

Can be relatively inexpensive with rapid data acquisition (design dependent)







































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## Caveats

No ecological context. Impossible to accurately replicate environmental conditions.  
Lab conditions may not effectively mimic the environmental conditions that drive infections in reservoir hosts.

Challenging and expensive to house and breed colonies of bats

Often requires biosafety-level 3 or 4 facilities and specialized training.  
A bat is not a bat, and a virus is not a virus: species-specific responses to infection make it difficult to generalize across species or bat families  
*in vitro* studies miss differences in cell recruitment and localization or cell-cell interaction  
Immortalized cells behave differently from primary cells or cells in an *in vivo* context  
Fundamental knowledge of bat immune systems and basic tools for probing bat immune responses are lacking  
Experiments are usually time-limited (e.g., limited ability to study immune function senescence, viral recrudescence, etc.)

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May not be truly longitudinal: without known recapture of individuals, repeated longitudinal monitoring at a geographic location may instead represent multiple cross-sectional surveys of the population.

Expensive, time-consuming, and logistically challenging; slow data acquisition.

Effective implementation requires a strong ecological understanding of the study system and collection of data to determine sampling frequency and duration.  
May be temporally biased; sampling at regular intervals may consistently detect or consistently miss viral shedding.

May be spatially biased; difficult to sample spatially replicated populations  
longitudinal sampling that exceeds pathogen infectious period, nonlethal pathogen detection, and moderate prevalence.

Large sample sizes, spatially replicated populations, and short sampling intervals are needed to understand environmental drivers, and individual and population-level variation in viral shedding.

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Relationships that exist for groups may not apply to individuals (ecological fallacy, e.g., virus x det

No ability to detect seasonality or other temporal trends

No causal inference.

Large amounts of data are required to account for variation among individuals or populations

Effective implementation requires a strong ecological understanding of the study system.

May be temporally biased: sampling during peaks or troughs in population prevalence will over- or underestimate geographic variation in prevalence or genetic diversity

May be spatially biased: at one timepoint, different population subgroups may have peaks or troughs in prevalence.

Relationships that exist for groups may not apply to individuals (ecological fallacy, e.g., virus x det

Same caveats as intra-species cross-sectional studies.

Often low sample sizes for opportunistically sampled species

Species bias: research effort may inadvertently skew importance of a particular species as a rese

Large amounts of data are required to account for variation among species.

Relationships that exist for groups may not apply to individuals (ecological fallacy, e.g., virus x det

No ecological or physiological context.

No causal inference.

Same caveats as longitudinal or cross-sectional studies, depending on design.

May be difficult to distinguish between facilitative or antagonistic interactions between coinfecting viruses or viruses synchronously shed from a bat population; requires large sample sizes combined with simulation or experimental studies.

Drivers of multi-viral infection or shedding may be difficult to detect (e.g., may be driven by facilitative interaction between known or undetected coinfecting viruses, interactions with host physiology/immunity, and/or a response to optimal environmental conditions)

Biased detection: high titres of one virus in a sample may reduce assay sensitivity to other viruses

No causal inference.

Co-detection of pathogens in pooled or population-level samples may reflect coinfection or contribution of multiple bats to the collected sample.







































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References

Plowright et al 2019. Sampling to elucidate the dynamics of infections in reservoir hosts. Phil trans R Soc B 374: 20180336.

Plowright et al 2019. Sampling to elucidate the dynamics of infections in reservoir hosts. Phil trans R Soc B 374: 20180336.  
Plowright et al. 2019. Transmission or within-host dynamics driving pulses of zoonotic viruses in reservoir host populations. PLoS ONE

Peel, synchronous shedding

ected in all population subgroups sampled in Habitat A; therefore all individuals or other population subgrou

sectional and capture-recapture approaches to infer disease dynamics

ected in all population subgroups sampled in Habitat A; therefore all individuals or other population subgrou

Plowright et al 2019. Sampling to elucidate the dynamics of infections in reservoir hosts. Phil trans R Soc B 374: 20180336.

ervoir or spillover host.

ected in species A; therefore all individuals or other population of species A will also carry virus x.)

Peel, synchronous shedding.







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## **LONGITUDINAL**

-5 species from healthy bat pops tested in Denmark

- 31% of bats positive

-one bat pop (Yunan) from 2011-2014

-1 bat pop (Yunan) 2014-2015

w/ flio viruses -host restriction of CoV strains

-maternity roost (germany) in 2008, 2009, 2010

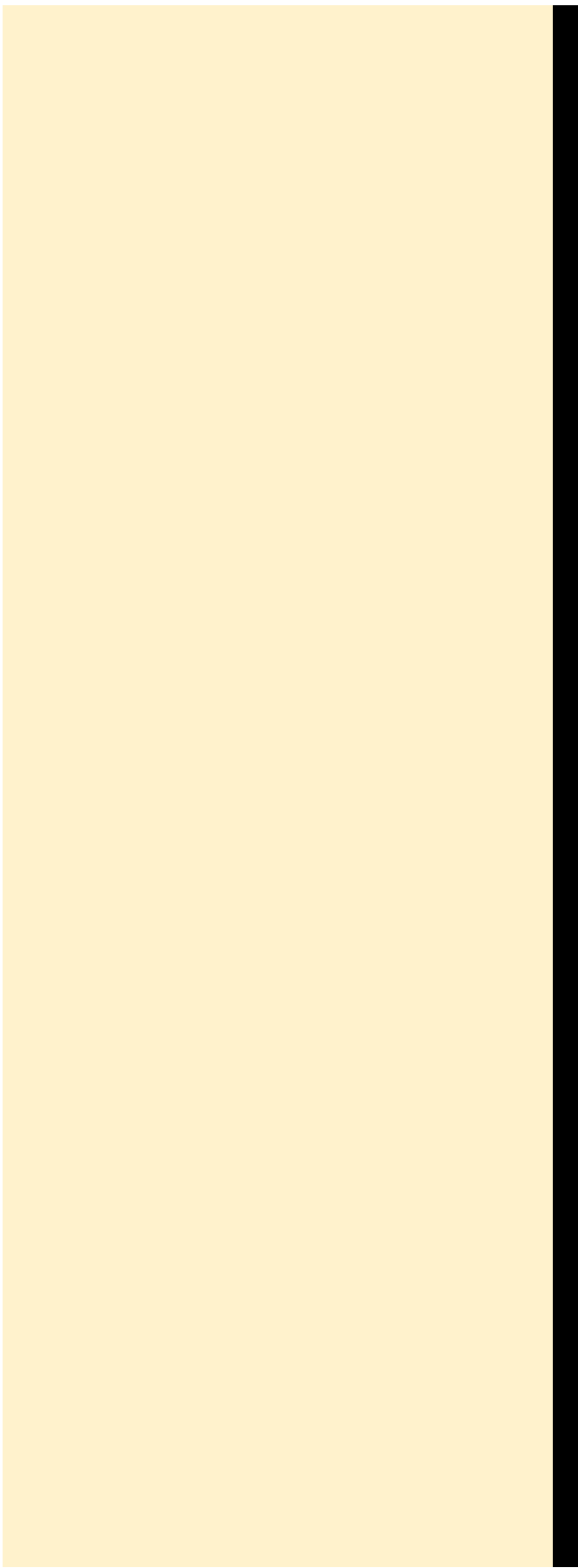
Manuel's com -334 bats (1 species- Rhinolophus sinicus)

-4 species of horse-shoe bats (Yunan) 2011-2015

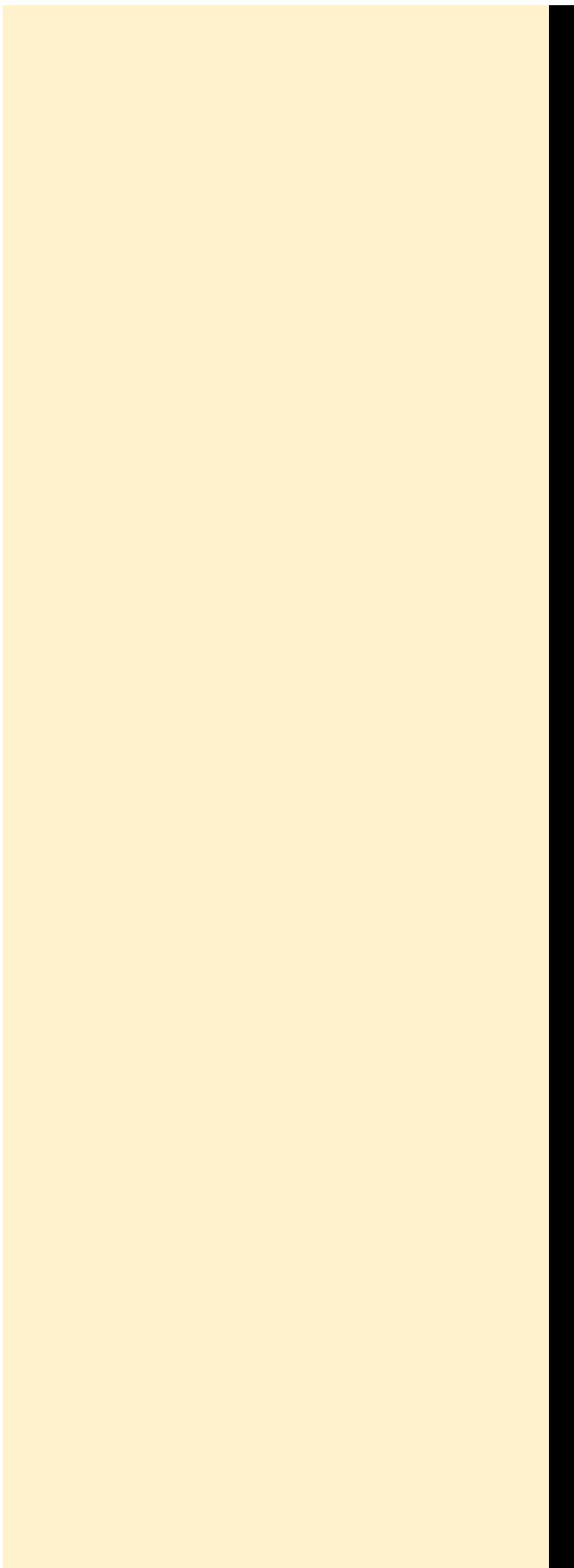
-Data from Craig Smith 2008

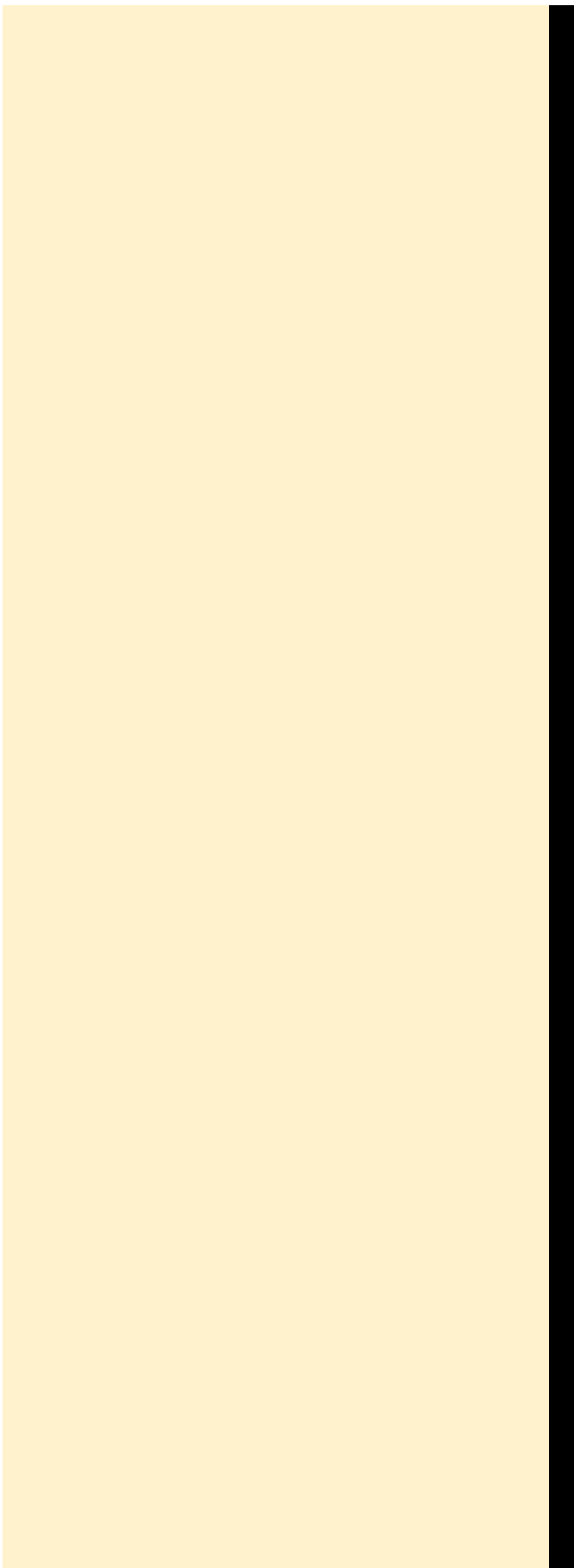
-P. lylei captures Jan-Dec 2012 @ 3 sites

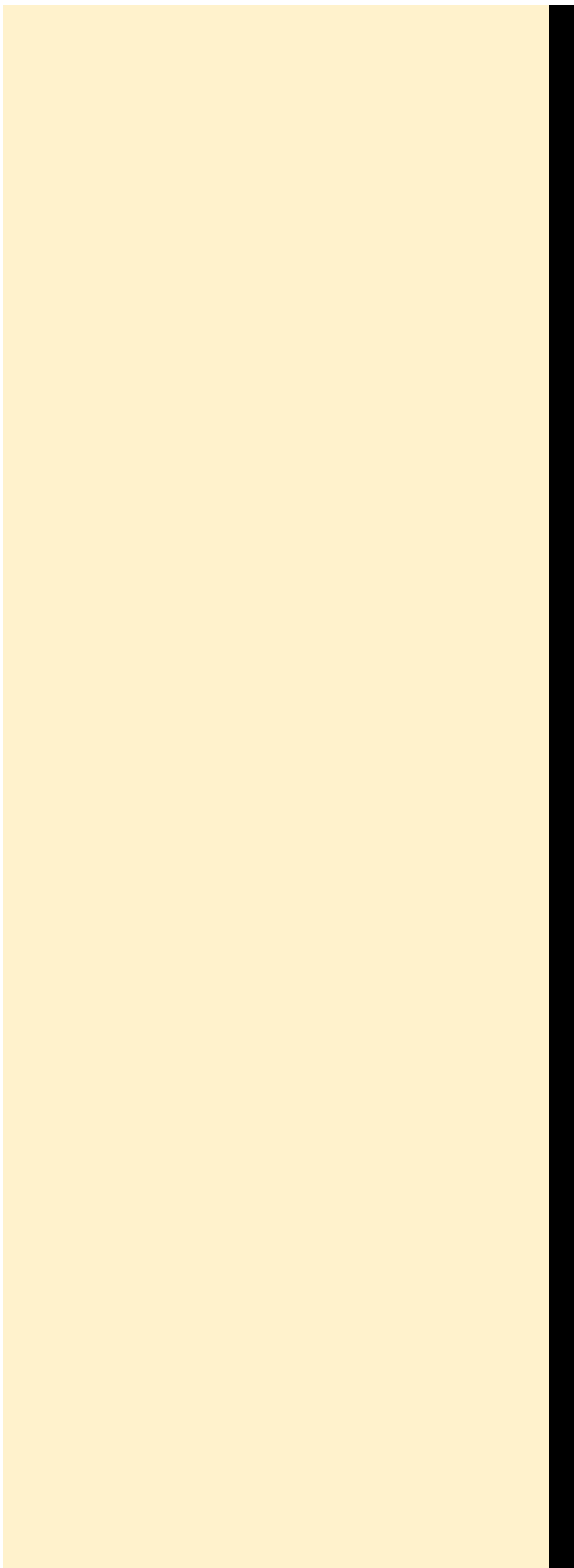
-P. giganteus (Bangladesh) samples 2006-2010

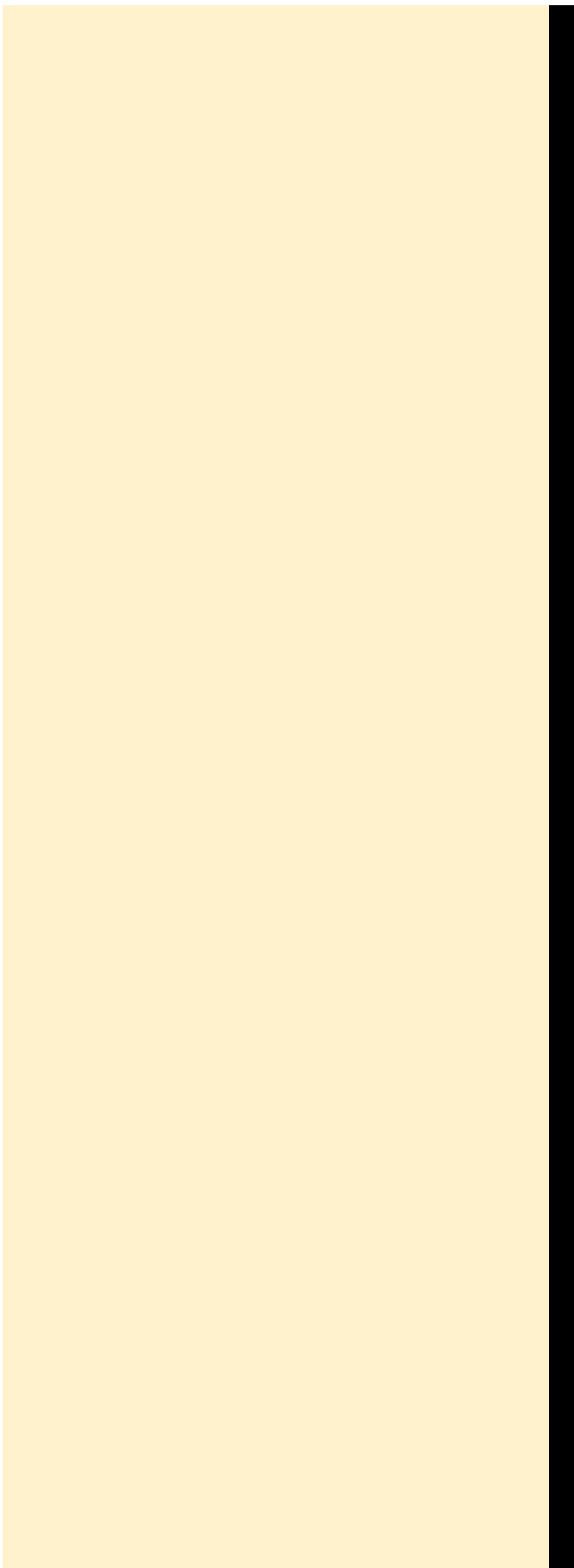


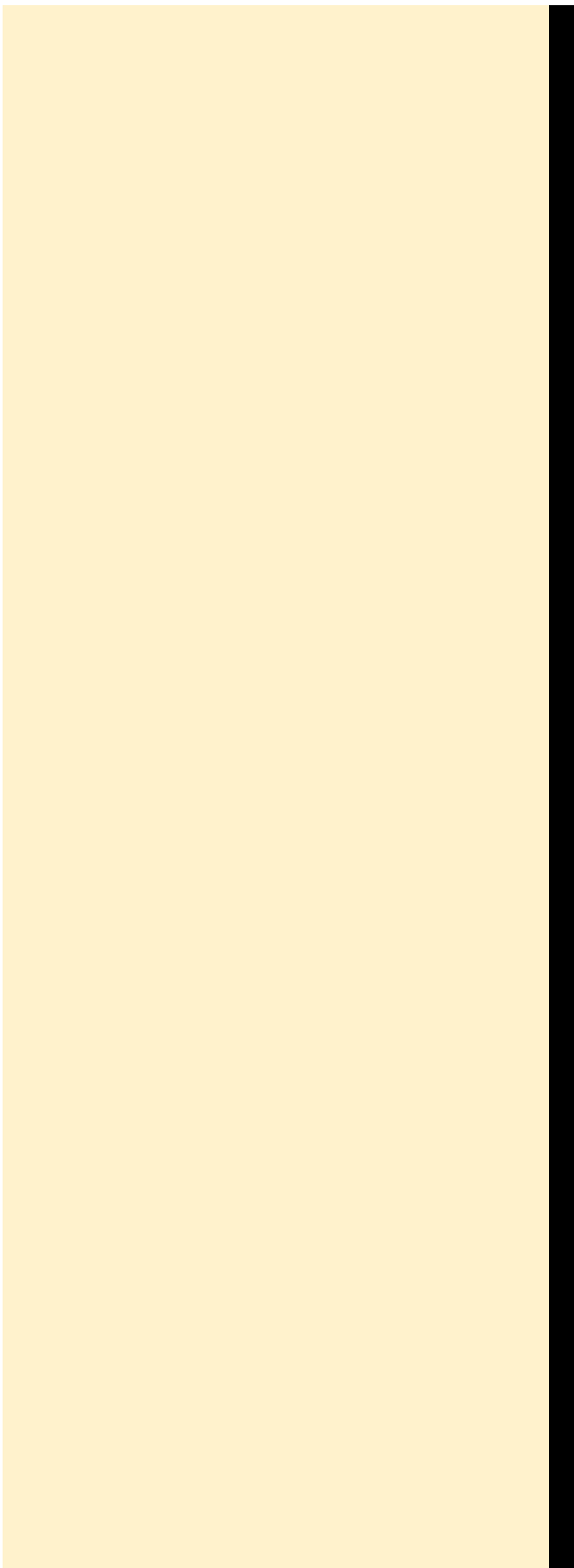


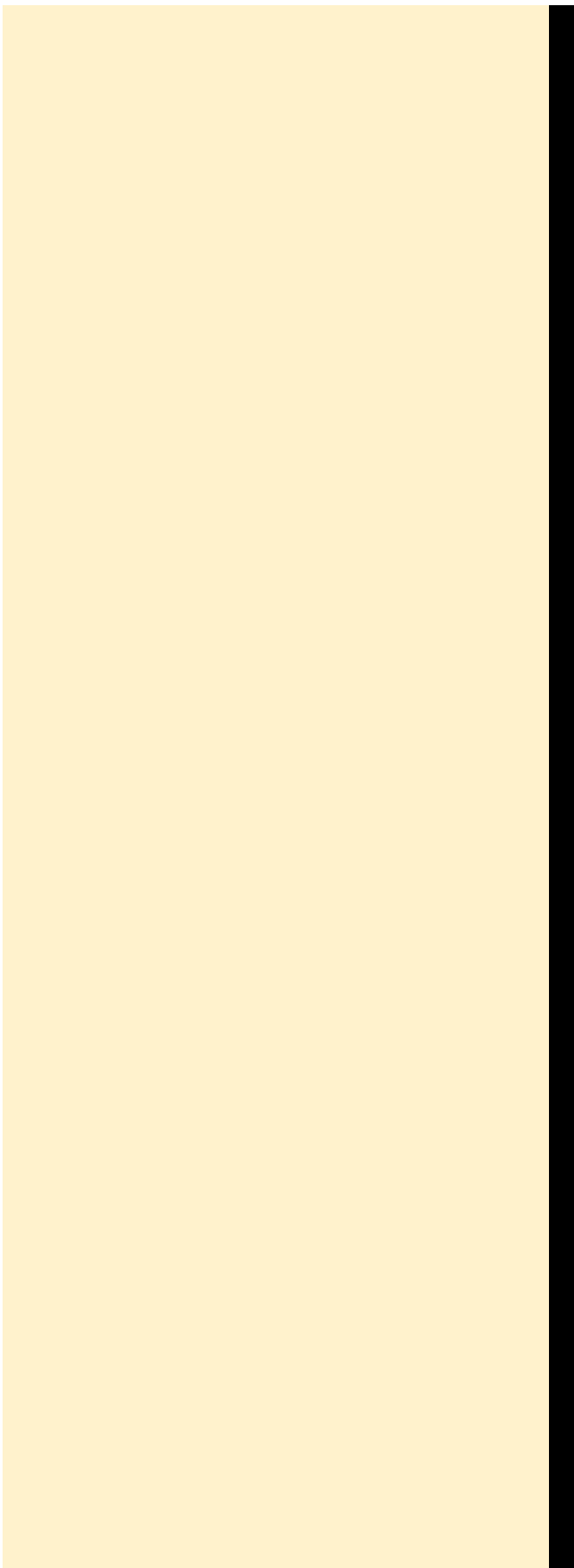


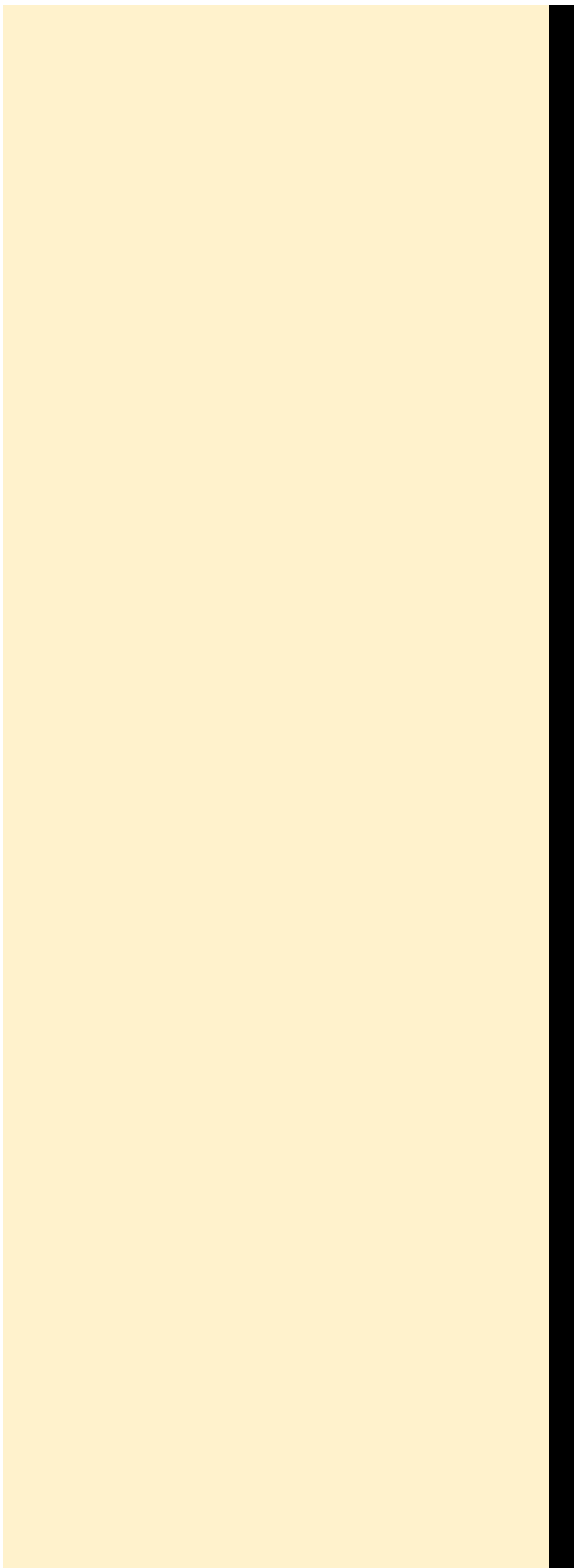


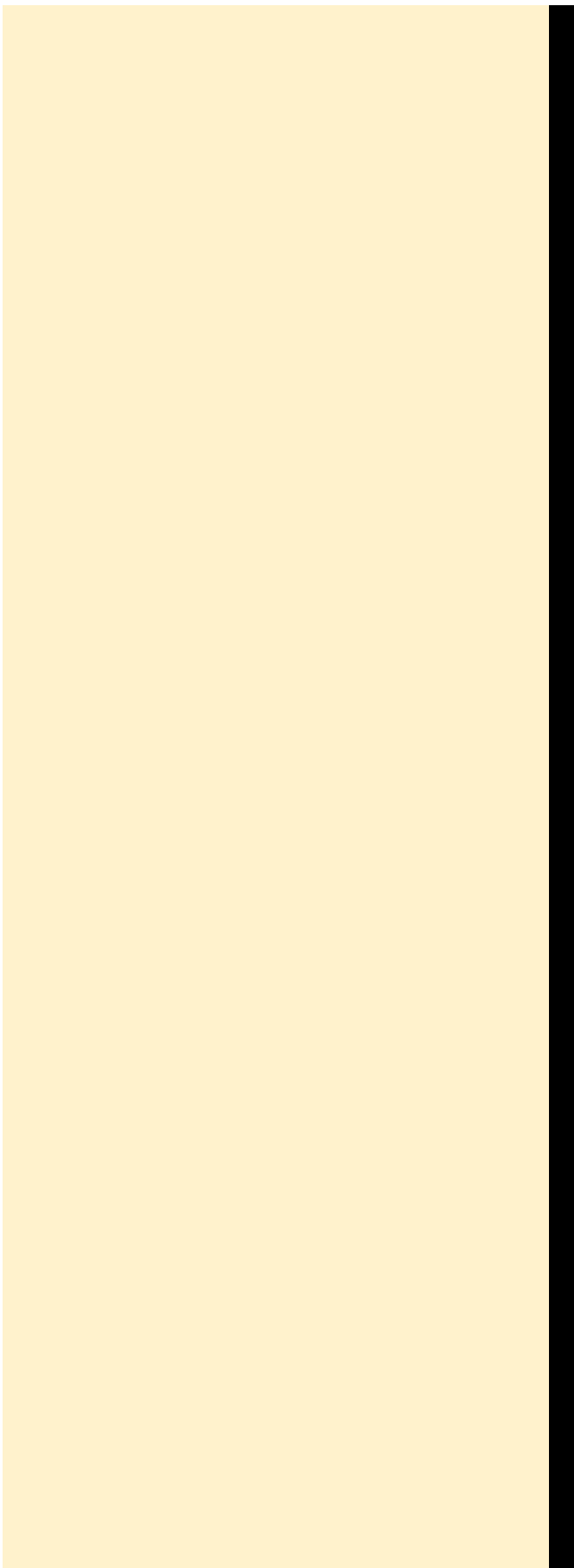




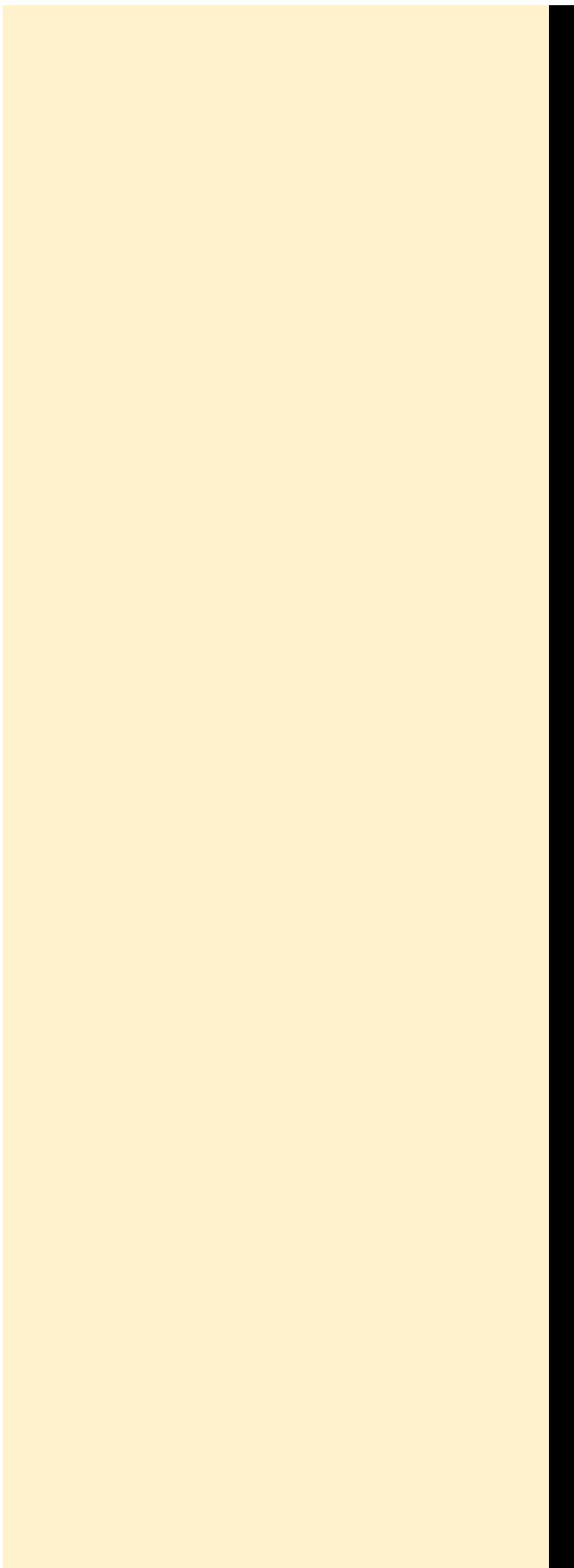


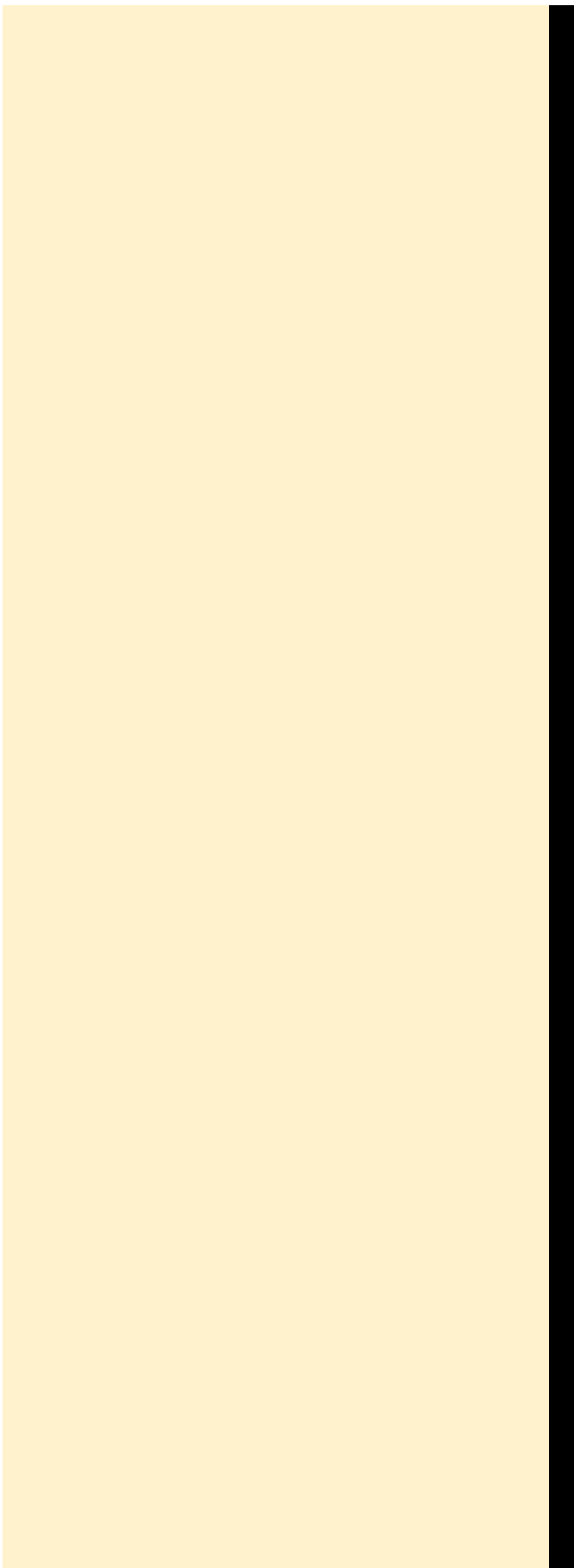


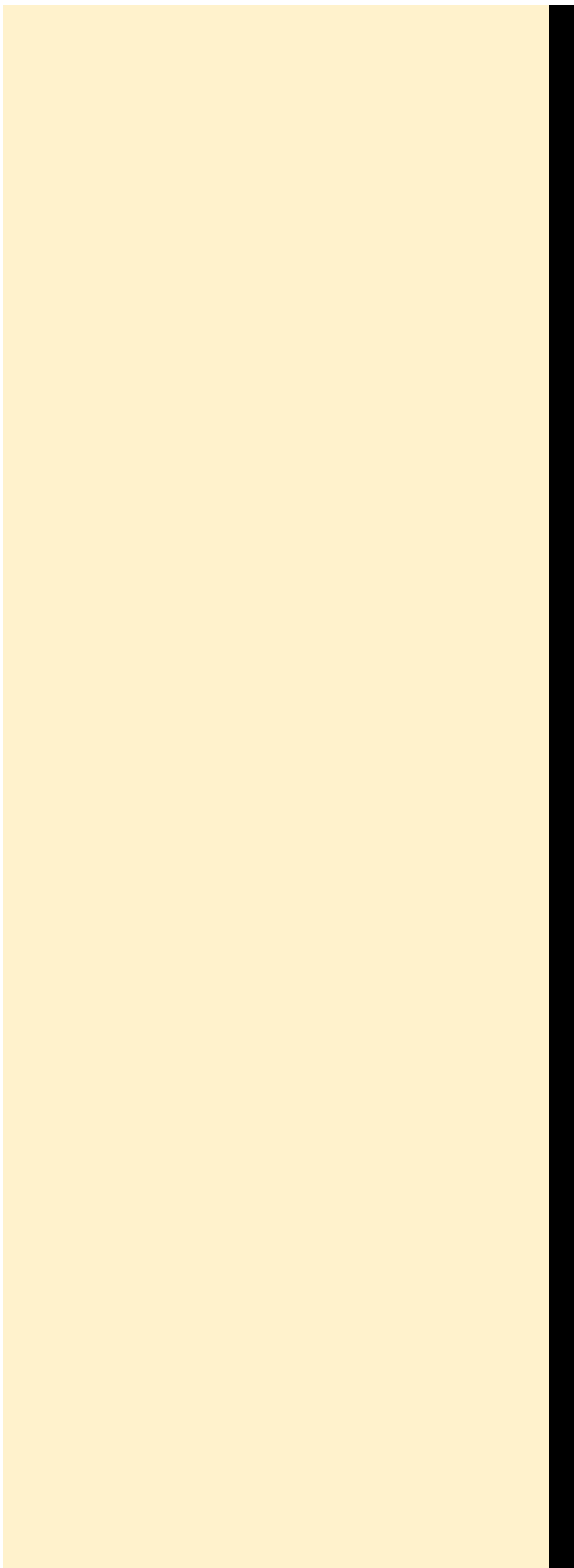


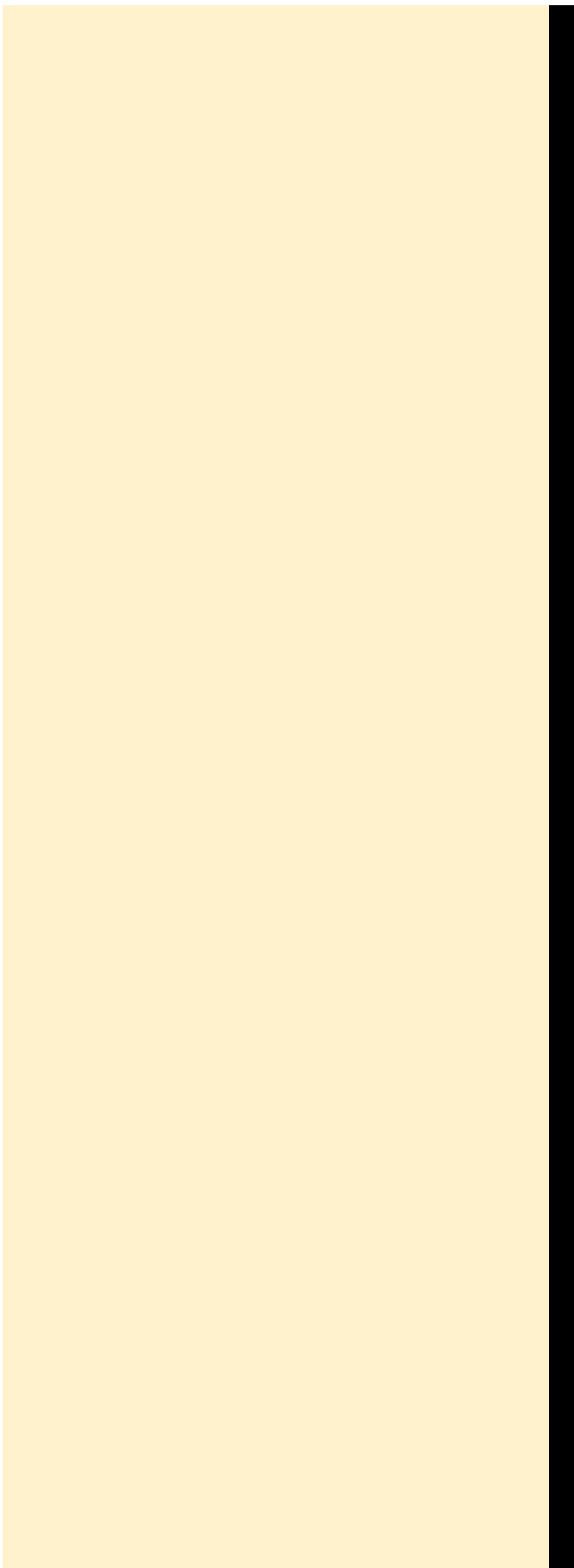


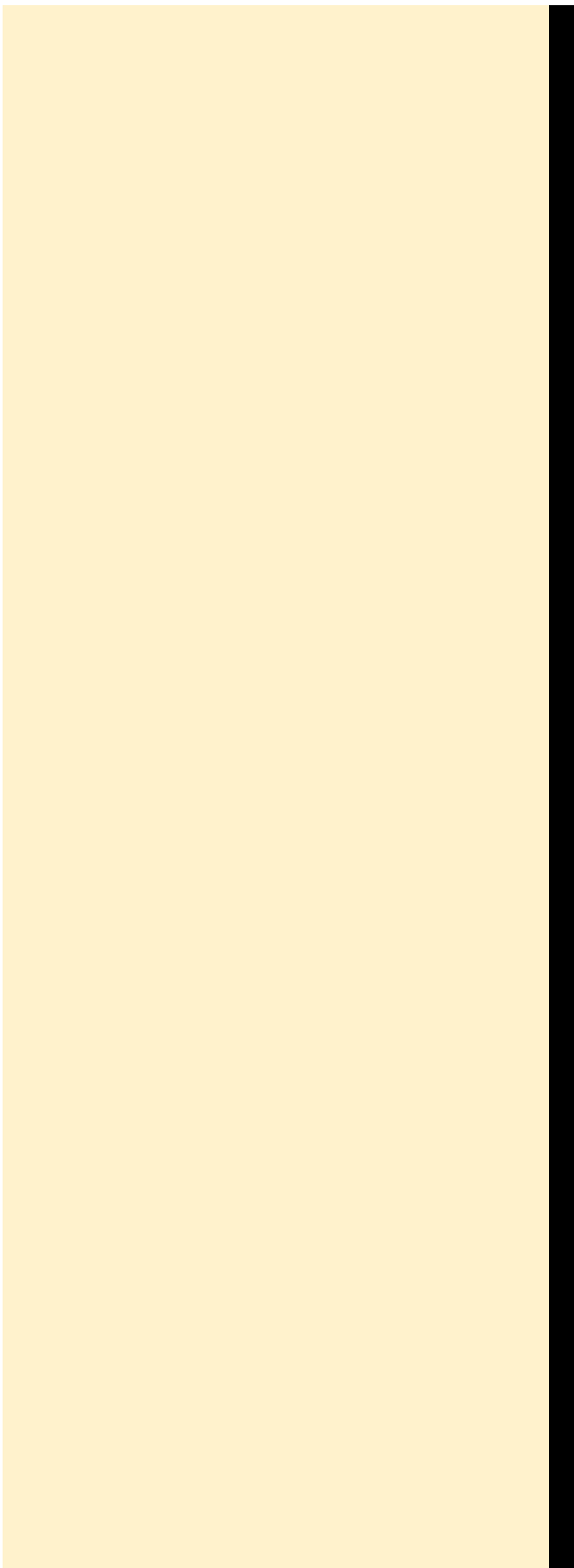


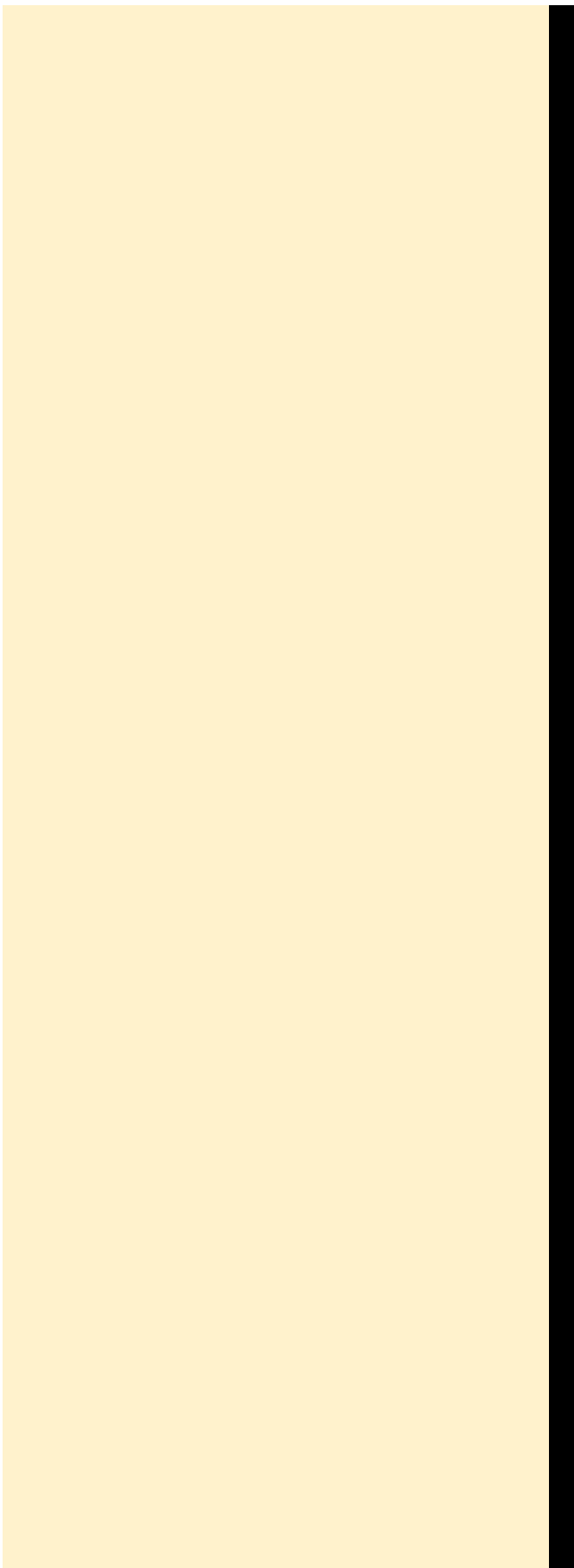


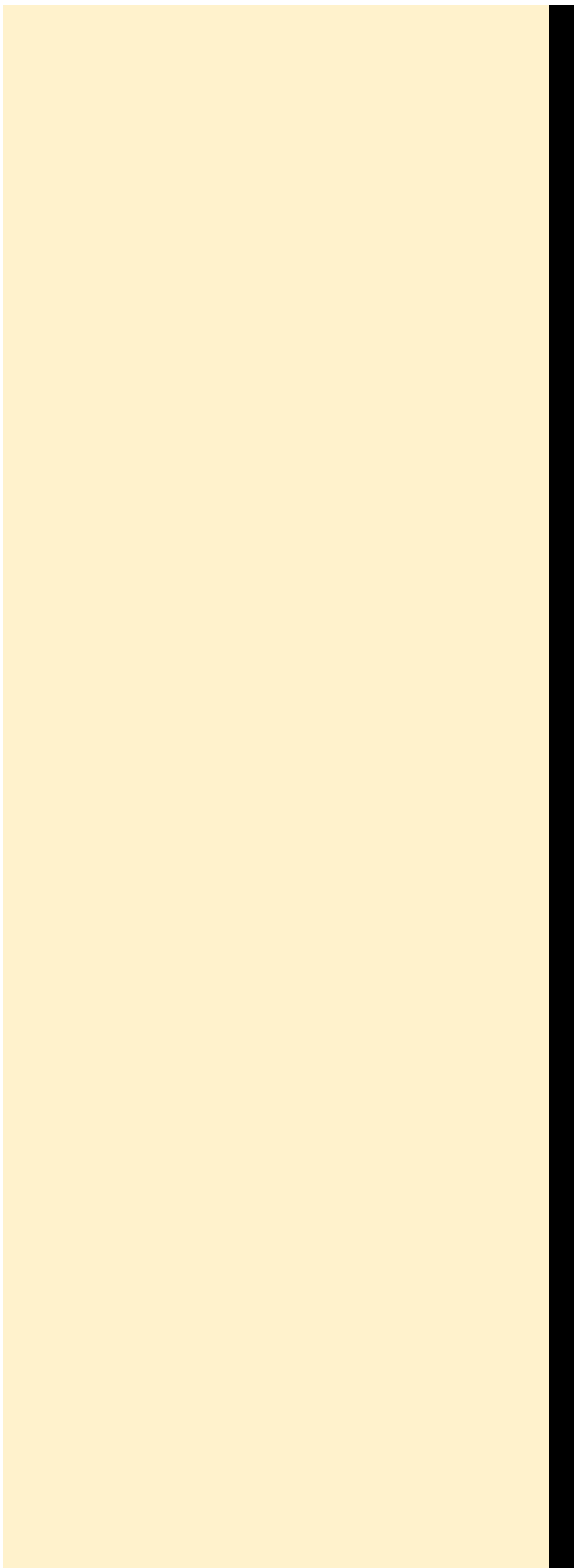


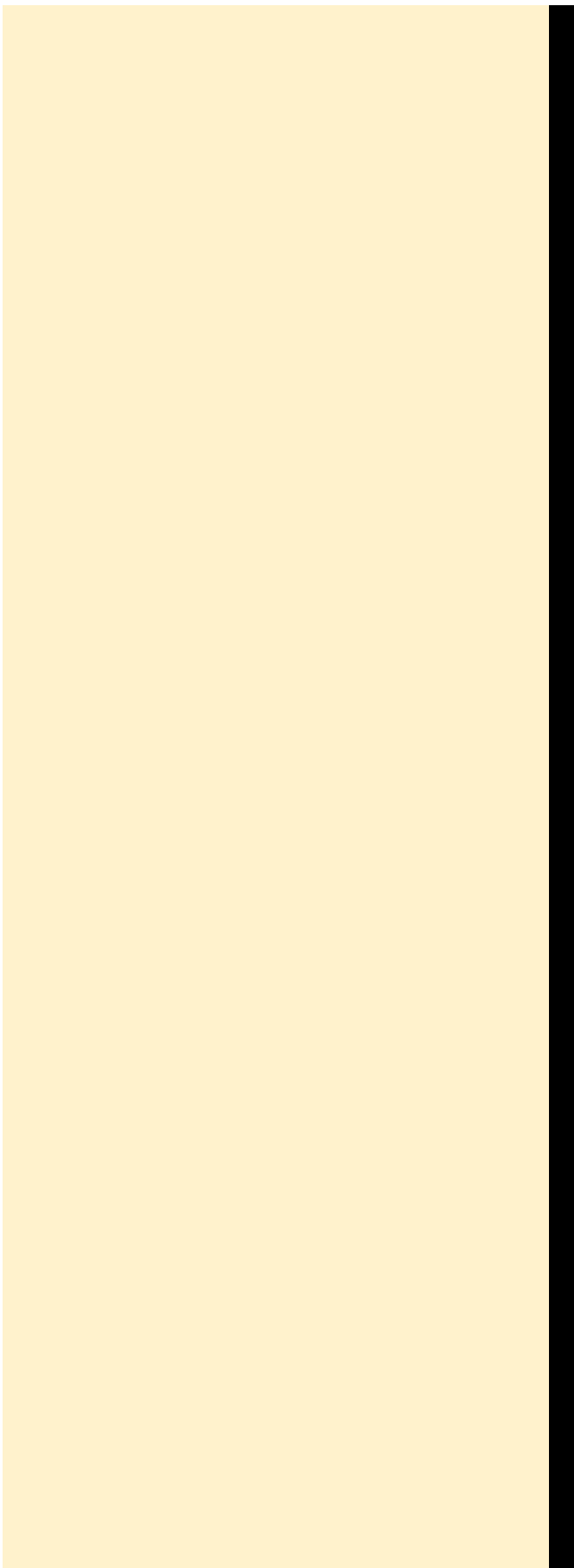




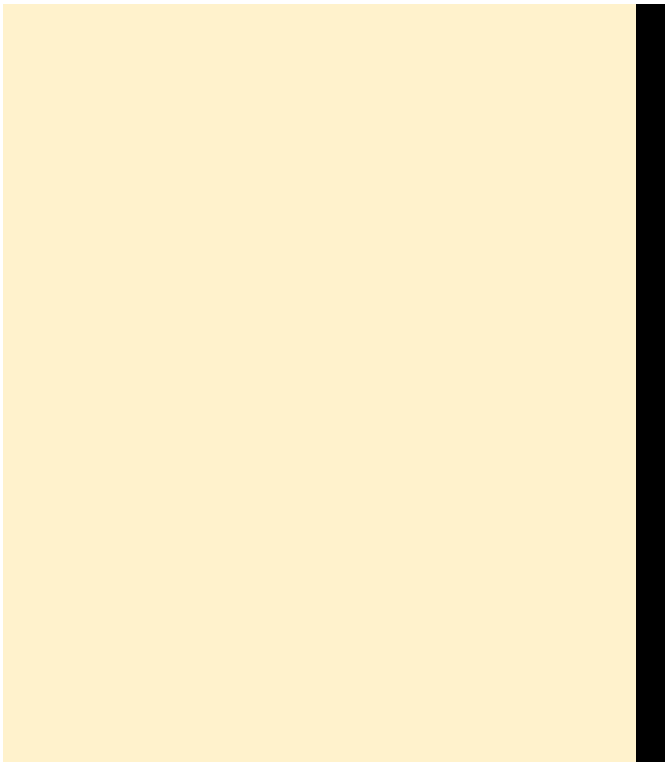












### **CROSS-SECTIONAL (INTRA)**

- 2 clades of CoVs detected in Mylu in canada (one
- one alpha-cov and one beta-cov (sars-like) from
- 2 bats were coinfectd with 2 different a-covs
- 16% of UR poops CoV+ on average
- monophyletic clustering of CoVs (lineage D of
- bats w/ cov appeared in good condition
- No effect of age, sex, repro status, species, or
- Juvenile and lactating females more likely to be

### **CROSS-SECTIONAL (INTER)**







































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<b>Cross-sectional (inter-species)</b>	Reports pathogen detection across more than 2 species
<b>Cross-sectional (intra-species)</b>	Reports pathogen detection across multiple population subgroups (may i
<b>Longitudinal</b>	Reports pathogen dynamics within at least one population over multiple :
<b>Experimental (bats)</b>	Reports pathogen dynamics within a controlled population of bats over m
<b>Experimental (cells)</b>	Reports pathogen infection within bat cells at one or more timepoints (e.g
<b>Sequencing only</b>	Reports only pathogen detection but contains little information on covaria
<b>Multi-pathogen detection</b>	Reports detection of multiple pathogens (virus families, other parasite ta



